



KRISHNA CHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES

Devarajugattu (Post) , Peddaraveedu (Mandal), Prakasam Dist. - 523 320.

(Approved by A.I.C.T.E., New Delhi, & Affiliated to JNTUK, Kakinada)

NAAC ACCREDITED INSTITUTION

CONTINUOUS INTERNAL ASSESSMENT



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List of Enclosures

Sl.No	Contents	Page No.
1	CIE Procedure	3-38
2	Mid Examination Timetables	39-62
3	External Examination Timetables	63-140

CONTINUOUS INTERNAL EVALUATION PROCEDURE (CIE)

A.Y : 2022-23

Batch	2022-23	I YEAR (R20)
Batch	2021-22	II YEAR (R20)
Batch	2020-21	III YEAR (R20)
Batch	2019-20	IV YEAR (R19)

ACADEMIC REGULATIONS (R20)
COURSE STRUCTURE & DETAILED SYLLABUS

For

B. Tech FOUR YEAR DEGREE COURSE
(Applicable for the batches admitted from 2020-21)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533003, ANDHRA PRADESH, INDIA

ACADEMIC REGULATIONS (R20) FOR B. TECH. (REGULAR)

Applicable for students of B. Tech. (Regular) from Academic Year 2020-21 onwards

Jawaharlal Nehru Technological University Kakinada (JNTUK) 2020 Regulations (R20 Regulations) applicable to all affiliated colleges are given hereunder. These regulations govern the B. Tech programmes offered by all affiliated colleges with effect from the students admitted to the programmes in academic year 2020-21.

1. Courses of study:

The following courses of study are offered at present as specializations for the B. Tech. Courses in the jurisdiction of all affiliated colleges of JNTUK.

S. No	Branch	Short Name	Code
1	Civil Engineering	CE	01
2	Electrical & Electronics Engineering	EEE	02
3	Mechanical Engineering	ME	03
4	Electronics and Communication Engineering	ECE	04
5	Computer Science Engineering	CSE	05
6	Computer Science & Technology	CST	06
7	Electronics and Instrumentation Engineering	EIE	10
8	Information Technology	IT	12
9	Automobile Engineering	AME	24
10	Mining Engineering	MM	26
11	Petroleum Engineering	PE	27
12	Agriculture Engineering	AGE	35
13	Artificial Intelligence and Machine Learning	AIML	42
14	Artificial Intelligence	AI	43
15	Data Science	DS	44
16	Artificial Intelligence and Data Science	AIDS	45
17	Cyber Security	CS	46
18	Internet of things and Cyber security including Block chain Technology	IOTCSBT	47
19	Computer Science and Business System	CSBS	48
20	Internet of Things	IOT	49
21	Electronics & Communication Technology	ECT	50
22	Food Engineering	FE	51

- 2. Medium of Instruction:** The medium of instruction of the entire B. Tech undergraduate programme in Engineering & Technology (including examinations and project reports) will be in **English** only.
- 3. Admissions:** Admission to the B. Tech Programme shall be made subject to the eligibility, qualifications and specialization prescribed by the A.P. State Government/University from time to time. Admissions shall be made either on the basis of the merit rank obtained by the student in the common entrance examination conducted by the A.P. Government/University or on the basis of any other order of merit approved by the A.P. Government/University, subject to reservations as prescribed by the Government/University from time to time.

4. Programme Pattern:

- a) Total duration of the of B. Tech (Regular) Programme is four academic years
- b) Each Academic year of study is divided in to **two semesters**.
- c) Minimum number of instruction days in each semester is 90.
- d) Grade points, based on percentage of marks awarded for each course will form the basis for calculation of SGPA (Semester Grade Point Average) and CGPA (Cumulative Grade Point Average).
- e) The total credits for the Programme are 160.
- f) A three-week induction program is mandatory for all first year UG students and shall be conducted as per AICTE/UGC/APSCHÉ guidelines.
- g) Student is introduced to "Choice Based Credit System (CBCS)".
- h) A pool of interdisciplinary and job-oriented mandatory skill courses which are relevant to the industry are integrated into the curriculum of concerned branch of engineering (total five skill courses: two basic level skill courses, one on soft skills and other two on advanced level skill courses)
- i) A student has to register for all courses in a semester.
- j) All the registered credits will be considered for the calculation of final CGPA.
- k) Each semester has - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as indicated by UGC and course structure as suggested by AICTE are followed.
- l) A 10 months industry/field mandatory internship, both industry and social, during the summer vacation and also in the final semester to acquire the skills required for job and make engineering graduates to connect with the needs of the industry and society at large.
- m) All students shall be mandatorily registered for NCC/NSS activities.
- n) Each college shall assign a faculty advisor/mentor after admission to each student or group of students from same department to provide guidance in courses registration/career growth/placements/opportunities for higher studies/GATE/other competitive exams etc.

5. **Subject/Course Classification:** All subjects/courses offered for the undergraduate programme in E & T (B. Tech degree programmes) are broadly classified as follows.

S.No	Category	Code	APSCHÉ breakup of Credits	AICTE Credits of breakup
1	Humanities and social science including Management courses	HSMC	10.5	12
2	Basic Science courses	BSC	21	25
3	Engineering courses science	ESC	24	24
4	Professional core Courses	PCC	51	48
5	Open Elective Courses	OEC	12	18
6	Professional Courses Elective	PEC	15	18
7	Internship, seminar, project work	PROJ	16.5	15
8	Skill Oriented Courses	SC	10	-
9	Laboratory Courses	LC	-	-
10	Mandatory courses	MC	Non-credit	Non-credit
Total Credits			160	160

6. Registration for Courses:

- i) The college shall invite registration forms from the students at the beginning of the semester for the registration for courses each semester. The registration process shall be closed within one week. If any student wishes to withdraw the registration, he/she shall submit a letter to the principal through the class teacher/instructor and HOD. The principal shall communicate the registration and withdraw details courses of each student in a consolidated form to the college examination section and University without fail.
- ii) There are four open electives in each branch. All Open Electives are offered to students of all branches in general. A student shall choose an open elective, by consulting the HOD/advisor, from the list in such a manner that he/she has not studied the same course in any form during the Programme.
- iii) A student shall be permitted to pursue up to a maximum of two elective courses under MOOCs during the programme. Students are advised to register for only for minimum 12 weeks in duration MOOCs courses. Student has to pursue and acquire a certificate for a MOOC course only from the SWAYAM/NPTEL through online with the approval of Head of the Department in order to earn the 3 credits. The Head of the department shall notify the list of such courses at the beginning of the semester. The details of the MOOCs courses registered by the students shall be submitted to the University examination center as well as college examination center. The Head of the Department shall appoint a mentor for each of the MOOC subjects registered by the students to monitor the student's assignment submissions given by SWAYAM/NPTEL. The student needs to submit all the assignments given and needs to take final exam at the proctor center. The student needs to earn a certificate by passing the exam. The student will be awarded the credits given in curriculum only by submission of the certificate. In case if student does not pass subjects registered through SWAYAM/NPTEL, the same or alternative equivalent subject may be registered again through SWAYAM/NPTEL in the next semester with the recommendation of HOD and shall be passed.
- iv) Two summer internships each with a minimum of six weeks duration shall be mandatorily done/completed respectively at the end of second and third years (during summer vacations). The internship can be done by the students at local industries, Govt. Organizations, construction agencies, Industries, Hydel and thermal power projects and also in software MNCs. After completing the summer internship, the students shall register in the immediate respective odd semester and it will be evaluated at the end of the semester as per norms of the university. The student has to produce the summer internship satisfactory report and certificate taken from the organization to be considered for evaluation. The College shall facilitate and monitor the student internship programs. Completion of internships is mandatory, if any student fails to complete internship, he/she will not be eligible for the award of degree. In such cases, the student shall repeat and complete the internship.
- v) In the final semester, the student should mandatorily register and undergo internship and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidate shall submit an internship completion certificate and a project report. A student shall also be permitted to submit project report on the work carried out during the internship. The project report shall be evaluated with an external examiner.
- vi) Curricular Framework for Skill oriented courses
 - a) There are five (05) skill-oriented courses shall be offered during III to VII semesters and students must register and pass the courses successfully.
 - b) For skill oriented/skill advanced course, one theory and 2 practical hours (1-0-2) or two theory hours (2-0-0) may be allotted as per the decision of concerned BOS.
 - c) Out of the five skill courses; (i) two shall be skill-oriented courses from the same domain and shall be completed in second year (ii) Of the remaining 3 skill courses, one shall be necessarily be a soft skill course and the remaining 2 shall be skill-advanced courses either from the same domain or job-oriented skill courses, which can be of inter disciplinary nature.
 - d) Students may register the interdisciplinary job-oriented skill courses based on the prerequisites and eligibility in consultation with HOD of the college.

- e) The student shall be given an option to choose either the skill courses being offered by the college or to choose a certificate course being offered by industries/Professional bodies/APSSDC or any other accredited bodies. However, the department has to assign mentors in the college to monitor the performance of the students.
- f) If a student chooses to take a Certificate Course offered by industries/Professional bodies/APSSDC or any other accredited bodies, in lieu of the skill advanced course offered by the Department, then the department shall mark overall attendance of the student for the remaining courses in that semester excluding the skill course in all the calculations of mandatory attendance requirements upon producing a valid certificate. However, the student is deemed to have fulfilled the attendance requirement of the course, if the external agency issues a certificate with satisfactory condition. If the certificate issued by external agency is marked with unsatisfactory condition, then the student shall repeat the course either in the college or at external agency. The credits will be awarded to the student upon producing the successful Course Completion Certificate from the agency/professional bodies and after passing in the viva-voce examination conducted at college as per university norms at the end of the semester.

7. (a) **Award of B. Tech. Degree:** A student will be declared eligible for the award of B. Tech. Degree if he fulfills the following academic regulations:

- i) A student shall be declared eligible for award of the B. Tech Degree, if he pursues a course of study in not less than four and not more than eight academic years.
- ii) After eight academic years from the year of their admission, he/she shall **forfeit** their seat in B. Tech course and their admission stands cancelled.
- iii) The student shall register for 160 credits and must secure all the 160 credits.
- iv) All students shall register for NCC/NSS activities and will be required to participate in an activity specified by NSS officer during second and third semesters. Grade shall be awarded as Satisfactory or Unsatisfactory in the mark sheet on the basis of participation, attendance, performance and behavior. If a student gets an unsatisfactory Grade, he/she shall repeat the above activity in the subsequent years, in order to complete the degree requirements.
- v) Courses like Environmental Sciences, Universal Human Values, Ethics, Indian Constitution, Essence of Indian Traditional Knowledge etc., shall be included in the curriculum as non-credit mandatory courses. Environmental Sciences is to be offered compulsorily as mandatory course for all branches. A student has to secure 40% of the marks allotted in the internal evaluation for passing the course. No marks or letter grade shall be allotted for all mandatory non-credit courses.
- vi) Credit Definition:

1 Hour Lecture (L) per week	1 Credit
1 Hour Tutorial (T) per week	1 Credit
1 Hour Practical (P) per week	0.5 Credit
2 Hours Practical (Lab) per week	1 Credit

(b) **Award of B. Tech. (Honor)/B. Tech. (Minor):** B. Tech. with Honors or a B. Tech. with a Minor will be awarded if the student earns 20 additional credits are acquired as per the regulations/guidelines. The regulations/guidelines are separately provided. Registering for Honors/Minor is optional.

8. Attendance Requirements

- a) A student is eligible to write the University examinations if he acquires a minimum of 40% in each subject and 75% of attendance in aggregate of all the subjects.
- b) Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) may be granted by the College Academic Committee. However, this condonation concession is applicable only to any two semesters during the entire programme.
- c) Shortage of Attendance below 65% in aggregate shall not be condoned.
- d) A student who is short of attendance in a semester may seek re-admission into that semester when offered within 4 weeks from the date of commencement of class work.
- e) Students whose shortage of attendance is not condoned in any semester are not eligible to write their end semester examination of that class.

- f) A stipulated fee of Rs. 500/- in the concerned semester shall be payable towards condonation of shortage of attendance. Students availing condonation on medical ground shall produce a medical certificate issued by the competitive authority.
- g) A student will be promoted to the next semester if he satisfies the (i) attendance requirement of the present semester and (ii) minimum required credits.
- h) If any candidate fulfills the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.
- i) For induction programme attendance shall be maintained as per AICTE norms.
- j) For non-credit mandatory courses the students shall maintain the attendance similar to credit courses

9. Evaluation-Distribution and Weightage of marks

- (i) Paper setting and evaluation of the answer scripts shall be done as per the procedures laid down by the University Examination section from time to time.
- (ii) For non-credit mandatory courses, like Environmental Sciences, Universal Human Values, Ethics, Indian Constitution, Essence of Indian Traditional Knowledge, the student has to secure 40% of the marks allotted in the internal evaluation for passing the course. No marks or letter grade shall be allotted for all mandatory non-credit courses.
- (iii) A student is deemed to have satisfied the minimum academic requirements if he has earned the credits allotted to each theory/practical design/drawing subject/ project etc by securing not less than 35% of marks in the end semester exam and minimum 40% of marks in the sum total of the internal marks and end semester examination marks together.

(iv) **Distribution and Weightage of marks:**

The assessment of the student's performance in each course will be based on Continuous Internal Evaluation (CIE) and Semester-End Examination (SEE). The performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks for theory subject and 50 marks for practical subject. For theory subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End Examinations.

S. No	Components	Internal	External	Total
1	Theory	30	70	100
2	Engineering Graphics/Design/Drawing	30	70	100
3	Practical	15	35	50
4	Mini Project/Internship/Industrial Training/ Skill Development programmes/Research Project	-	50	50
5	Project Work	60	140	200

(v) **Continuous Internal Theory Evaluation:**

- (a) For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of (i) one online objective examination (ii) one descriptive examination and (iii) one assignment. The online examination (objective) shall be 10 marks and descriptive examination shall be for 15 marks with a total duration of 1 hour 50 minutes (20 minutes for objective and 90 minutes for descriptive paper).
- (b) The first online examination (objective) is set with 20 multiple choice questions for 10 marks (20 questions x ½ marks) from first two and half units (50% of the syllabus) and it is conducted by **University Examination Section**. The descriptive examination is set with 3 full questions for 5 marks each from first two and half units (50% of the syllabus), the student has to answer all questions. In the similar lines, the second online and descriptive examinations shall be conducted on the rest of the syllabus.
- (c) The assignment is given by the concerned class teacher for five marks from first two and half units (50% of the syllabus). The second assignment shall be given from rest of the syllabus. 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.
- (d) The total marks secured by the student in each mid-term examination are evaluated for 30 marks. The first mid marks (Mid-1) consisting of marks of online objective examination, descriptive examination and assignment shall be submitted to the University examination section within one week after completion of first mid examination.
- (e) The mid marks submitted to the University examination section shall be displayed in the concerned college notice boards for the benefit of the students.
- (f) If any discrepancy found in the submitted Mid-1 marks, it shall be brought to the notice of university examination section within one week from the submission.
- (g) Second mid marks (Mid-2) consisting of marks of online objective examination, descriptive

examination and assignment shall also be submitted to University examination section within one week after completion of second mid examination and it shall be displayed in the notice boards. If any discrepancy found in the submitted mid-2 marks, it shall be brought to the notice of university examination section within one week from the submission.

- (h) Internal marks can be calculated with 80% weightage for better of the two mids and 20% Weightage for another mid exam.

Example:

Mid-1 marks = Marks secured in (online examination-1+descriptive examination-1
+one assignment-1)

Mid-2 marks = Marks secured in (online examination-2+descriptive examination-2
+one assignment-2)

Final internal Marks = (Best of (Mid-1/Mid-2) marks x 0.8
+ Least of (Mid-1/Mid-2) marks x 0.2)

- (i) With the above criteria, university examination section will send mid marks of all subjects in consolidated form to all the concerned colleges and same shall be displayed in the concerned college notice boards. If any discrepancy found, it shall be brought to the notice of university examination section through proper channel within one week with all proofs. Discrepancies brought after the given deadline will not be entertained under any circumstances.

(vi) Semester End Theory Examinations Evaluation:

- (a) The semester end examinations will be conducted university examination section for 70 marks consists of five questions carrying 14 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.

- (b) For practical subjects there shall be continuous evaluation during the semester for 15 internal marks and 35 end examination marks. The internal 15 marks shall be awarded as follows: day to day work - 5 marks, Record-5 marks and the remaining 5 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner appointed by controller of examinations, JNTUK.

Note: Laboratory marks and the internal marks awarded by the College are not final. The marks are subject to scrutiny and scaling by the University wherever felt desirable. The internal and laboratory marks awarded by the College will be referred to a Committee. The Committee shall arrive at a scaling factor and the marks will be scaled as per the scaling factor. The recommendations of the Committee are final and binding. All the laboratory records and internal test papers shall be preserved in respective departments as per University norms and shall be produced to the Committees of University as and when they ask for.

- (c) For the subject having design and / or drawing (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and estimation, the distribution shall be 30 marks for internal evaluation (15 marks for continuous Assessment (day-to-day work) and 15 marks for internal tests) and 70 marks for end examination. There shall be two internal tests in a Semester for 15 marks each and final marks can be calculated with 80% weightage for better of the two tests and 20% weightage for other test and these are to be added to the marks obtained in day-to-day work.

- (d) Evaluation of the summer internships: It shall be completed in collaboration with local industries, Govt. Organizations, construction agencies, Industries, Hydel and thermal power projects and also in software MNCs in the area of concerned specialization of the UG programme. Students shall pursue this internship during summer vacation just before its offering as per course structure. The minimum duration of this course shall be at least 6 weeks. The student shall register for the internship as per course structure after commencement of academic year. A supervisor/mentor/advisor has to be allotted to guide the students for taking up the summer internship. The supervisor shall monitor the attendance of the students while taking up the internship. Attendance requirements are as per the norms of the University. After successful completion, students shall submit a summer internship technical report to the concerned department and appear for an oral presentation before the departmental committee consists of an external examiner appointed by the University; Head of the Department, supervisor of the internship and a senior faculty member of the department. A certificate from industry/skill development center shall be included in the report. The report and the oral presentation shall carry 40% and 60% weightages respectively. It shall be evaluated for 50 external marks at the end of

the semester. There shall be no internal marks for Summer Internship. A student shall secure minimum 40% of marks for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary examinations are conducted by the University.

- (e) The job-oriented skill courses may be registered at the college or at any accredited external agency. A student shall submit a record/report on the on the list skills learned. If the student completes job-oriented skill course at external agency, a certificate from the agency shall be included in the report. The course will be evaluated at the end of the semester for 50 marks (record: 15 marks and viva-voce: 35 marks) along with laboratory end examinations in the presence of external (appointed by the university) and internal examiner (course instructor or mentor). There are no internal marks for the job-oriented skill courses.
- (f) **Mandatory Course (M.C):** Environmental Sciences, Universal Human Values, Ethics, Indian Constitution, Essence of Indian Traditional Knowledge etc non-credit (zero credits) mandatory courses. Environmental Sciences shall be offered compulsorily as mandatory course for all branches. A minimum of 75% attendance is mandatory in these subjects. There shall be an external examination for 70 marks and it shall be conducted by the college internally. Two internal examinations shall be conducted for 30 marks and a student has to secure at least 40% of the marks for passing the course. There is no online internal exam for mandatory courses. No marks or letter grade shall be printed in the transcripts for all mandatory non-credit courses, but only Completed (Y)/Not-completed (N) will be specified.
- (g) **Procedure for Conduct and Evaluation of MOOC:** There shall be a Discipline Centric Elective Course through Massive Open Online Course (MOOC) as Program Elective course. The student shall register for the course (Minimum of 12 weeks) offered by SWAYAM/NPTEL through online with the approval of Head of the Department. The Head of the Department shall appoint one mentor for each of the MOOC subjects offered. The student needs to register the course in the SWAYAM/NPTEL portal. During the course, the mentor monitors the student's assignment submissions given by SWAYAM/NPTEL. The student needs to submit all the assignments given and needs to take final exam at the proctor center. The student needs to earn a certificate by passing the exam. The student will be awarded the credits given in curriculum only by submission of the certificate. In case if student does not pass subjects registered through SWAYAM/NPTEL, the same or alternative equivalent subject may be registered again through SWAYAM/NPTEL in the next semester with the recommendation of HOD and shall be passed.
- (h) **Major Project (Project - Project work, seminar and internship in industry):**
In the final semester, the student should mandatorily register and undergo internship and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidate shall submit an internship completion certificate and a project report. A student shall also be permitted to submit project report on the work carried out during the internship. The project report shall be evaluated with an external examiner.

Evaluation: The total marks for project work 200 marks and distribution shall be 60 marks for internal and 140 marks for external evaluation. The supervisor assesses the student for 30 marks (Report: 15 marks, Seminar: 15 marks). At the end of the semester, all projects shall be showcased at the department for the benefit of all students and staff and the same is to be evaluated by the departmental Project Review Committee consisting of supervisor, a senior faculty and HOD for 30 marks. The external evaluation of Project Work is a Viva-Voce Examination conducted in the presence of internal examiner and external examiner appointed by the University and is evaluated for 140 marks.

10. Integrated theory lab:

- a. The integrated course is in the ratio of 2:1 (total credit: 3).
- b. Attendance shall be counted for both in theory as well as lab (75:25 ratio). Minimum attendance shall be required individually in theory and lab as per university norms
- c. Student has to attend the internal examination and external examination conducted by the college and University as per the regulations.
- d. Student has to pass individually both the external examinations (Theory for 100 marks and Lab for 50 marks) conducted by the University as per the regulations.
- e. If the student fails in either theory or laboratory, the final result is FAIL only.
- f. The student has to pass separately both in the external theory examination and external lab examination as per the University regulations.

11. Recounting of Marks in the End Semester Examination: A student can request for recounting of his/her answer book on payment of a prescribed fee as per university norms.
12. Re-evaluation or Revaluation by Challenge of the End Semester Examination: A student can request for Revaluation or Revaluation by Challenge of his/her answer book on payment of a prescribed fee as per university norms.
13. Supplementary Examinations: A student who has failed to secure the required credits can appear for a supplementary examination, as per the schedule announced by the University.
14. Malpractices in Examinations: Disciplinary action shall be taken in case of malpractices during Mid/End examinations as per the rules framed by the University.

15. Promotion Rules

The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in item no.8 for promotion to higher classes

- a) A student shall be promoted from first year to second year if he fulfills the minimum attendance requirement as per University norm.
- b) A student will be promoted from II to III year if he fulfills the academic requirement of 40% of credits up to either II year I-Semester or II year II-Semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in II year II semester.
- a) A student shall be promoted from III year to IV year if he fulfills the academic requirements of 40% of the credits up to either III year I semester or III year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in III year II semester.

16. Course Pattern

- a) The entire course of study is for four academic years; all years are on semester pattern.
- b) A student eligible to appear for the end semester examination in a subject, but absent from it or has failed in the end semester examination, may write the exam in that subject when conducted next.
- c) When a student is detained for lack of credits/shortage of attendance, he may be re-admitted into the same semester/year in which he has been detained. However, the academic regulations under which he was first admitted shall continue to be applicable to him.

17. Earning of Credit:

A student shall be considered to have completed a course successfully and earned the credits if he/she secures an acceptable letter grade in the range A+ to E as given below. Letter grade 'F' in any course implies failure of the student in that course and no credits earned. Absent is also treated as no credits earned. For project same % percentages will be followed for grading.

Marks Range Theory (Max – 100)	Marks Range Lab (Max – 50)	Level	Letter Grade	Grade Point
≥ 90	≥ 45	Outstanding	A+	10
≥80 to <89	≥40 to <44	Excellent	A	9
≥70 to <79	≥35 to <39	Very Good	B	8
≥60 to <69	≥30 to <34	Good	C	7
≥50 to <59	≥25 to <29	Fair	D	6
≥40 to <49	≥20 to <24	Satisfactory	E	5
<40	<20	Fail	F	0
-	-	Absent	AB	0

18. Computation of SGPA and CGPA

The UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- (i) $SGPA(S_k)$ of k^{th} semester (1 to 8) is ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the total number of credits of all the courses undergone/registered by a student, i.e.,

$$SGPA(S_k) = \frac{\sum_{i=1}^n (C_i \times G_i)}{\sum_{i=1}^n C_i}$$

Where C_i is the number of credits of the i^{th} course/subject in a semester and G_i is the

grade point scored by the student in the i^{th} course/subject and n is the number of courses/subjects registered in that semester.

CGPA: The CGPA is calculated in the same manner taking into account all the 'm' courses/subjects registered by student over all the semesters of a Programme i.e., in all eight semesters

$$CGPA = \frac{\sum_{i=1}^m (C_i \times S_i)}{\sum_{i=1}^m C_i}$$

Where S_i is SGPA of the i^{th} semester and C_i is total number of credits in that semester.

- (ii) SGPA and CGPA shall be rounded off to 2 decimal points and reported in transcripts.
- (iii) While computing the SGPA/CGPA, the subjects in which the student is awarded Zero grade points will also be included.
- (iv) *Grade Point*: It is a numerical weight allotted to each letter grade on a 10-point scale.
- (v) *Letter Grade*: It is an index of the performance of students in a said course. Grades are denoted by letters A+, A, B, C, D, E, F and AB.
- (vi) As per AICTE regulations, conversion of CGPA into equivalent percentage as follows:

$$\text{Equivalent Percentage} = (\text{CGPA} - 0.75) \times 10$$
- (vii) Illustration of Computation of SGPA and CGPA

Illustration for SGPA: Let us assume there are 6 subjects in a semester. The grades obtained as follows:

Course	Credit	Grade Obtained	Grade point	$S_i = \text{Credit Point (Credit} \times \text{Grade)}$
Subject 1	3	B	8	$3 \times 8 = 24$
Subject 2	4	C	7	$4 \times 7 = 28$
Subject 3	3	D	6	$3 \times 6 = 18$
Subject 4	3	A+	10	$3 \times 10 = 30$
Subject 5	3	E	5	$3 \times 5 = 15$
Subject 6	4	D	6	$4 \times 6 = 24$
	20			139

Thus, $SGPA = 139/20 = 6.95 = 6.9$ (approx.)

Illustration for CGPA:

Semester 1	Semester 2	Semester 3	Semester 4
Credits: 20 SGPA: 6.9	Credits: 22 SGPA: 7.8	Credits: 25 SGPA: 5.6	Credits: 26 SGPA: 6.0
Semester 5	Semester 6	Semester 7	Semester 8
Credits: 26 SGPA: 6.3	Credits: 25 SGPA: 8.0	Credits: 21 SGPA: 6.4	Credits: 23 SGPA: 7.5

Thus,

$$CGPA = \frac{20 \times 6.9 + 22 \times 7.8 + 25 \times 5.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0 + 21 \times 6.4 + 23 \times 7.5}{188} = \frac{1276.3}{188} = 6.78$$

19. Award of Class

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he shall be placed in one of the following four classes:

Class Awarded	CGPA to be secured	Remarks
First Class with Distinction	≥ 7.75 (Without any supplementary appearance)	From the CGPA secured from 160 Credits
First Class	≥ 6.75	
Second Class	≥ 5.75 to < 6.75	
Pass Class	≥ 5.00 to < 5.75	

20. Minimum Instruction Days

The minimum instruction days for each semester shall be 90 working days. There shall be no branch transfers after the completion of the admission process. There shall be no transfer from one college/stream to another within the Constituent Colleges and Units of Jawaharlal Nehru Technological University Kakinada.

21. Withholding of Results

If the student is involved in indiscipline/malpractices/court cases, the result of the student will be withheld.

22. Transitory Regulations

- (a) Discontinued or detained candidates are eligible for re-admission as and when next offered.
- (b) The re-admitted candidate will be governed by the rules & regulations under which the candidate has been admitted.
- (c) (i) In case of transferred students from other Universities, credits shall be transferred to JNTUK as per the academic regulations and course structure of JNTUK.
(ii) The students seeking transfer to colleges affiliated to JNTUK from various other Universities / Institutions have to obtain the credits of any equivalent subjects as prescribed by JNTUK. In addition, the transferred candidates have to pass the failed subjects at the earlier Institute with already obtained internal/sessional marks to be conducted by JNTUK.

23. Gap - Year

Gap Year concept of Student Entrepreneur in Residence shall be introduced and outstanding students who wish to pursue entrepreneurship are allowed to take a break of one year at any time after I/II/III year to pursue entrepreneurship full time. This period shall be counted for the maximum time for graduation. An evaluation committee at university level shall be constituted to evaluate the proposal submitted by the student and the committee shall decide on permitting the student for availing the Gap Year.

24. General

- (a) Wherever the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".
- (b) The academic regulation should be read as a whole for the purpose of any interpretation.
- (c) In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- (d) The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

ACADEMIC REGULATIONS (R20) FOR B. TECH
(LATERAL ENTRY SCHEME)

Applicable for students admitted into II B. Tech. from the Academic Year 2020-21 onwards

1 Award of B. Tech. Degree

A student will be declared eligible for the award of B. Tech. Degree if he fulfills the following academic regulations:

- a) A student shall be declared eligible for the award of the B. Tech Degree, if he pursues a course of study in not less than three academic years and not more than six academic years. After six academic years from the year of their admission, he/she shall **forfeit** their seat in B. Tech course and their admission stands cancelled.
 - b) The candidate shall register for 121 credits and secure all the 121 credits.
2. The attendance regulations of B. Tech. (Regular) shall be applicable to B.Tech (lateral entry).

3. Promotion Rule

A student shall be promoted from second year to third year if he fulfills the minimum attendance requirement.

A student shall be promoted from III year to IV year if he fulfills the academic requirements of 40% of the credits up to either III year I semester or III year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in III year II semester.

4. Award of Class

After a student has satisfied the requirement prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he shall be placed in one of the following four classes:

Class Awarded	CGPA to be secured	Remarks
First Class with Distinction	≥ 7.75 (Without any supplementary appearance)	From the CGPA secured from 121 Credits from II Year to IV Year
First Class	≥ 6.75	
Second Class	≥ 5.75 to < 6.75	
Pass Class	≥ 5.00 to < 5.75	

The Grades secured, Grade points and Credits obtained will be shown separately in the memorandum of marks.

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

COMMUNITY SERVICE PROJECT

Introduction

1. Community Service Project is an experiential learning strategy that integrates meaningful community service with instruction, participation, learning and community development
2. Community Service Project involves students in community development and service activities and applies the experience to personal and academic development.
3. Community Service Project is meant to link the community with the college for mutual benefit. The community will be benefited with the focused contribution of the collegestudents for the village/ local development. The college finds an opportunity to develop social sensibility and responsibility among students and also emerge as a socially responsible institution.

Objective

Community Service Project should be an integral part of the curriculum, as an alternative to the 2 months of Summer Internships / Apprenticeships / On the Job Training, whenever there is an exigency when students cannot pursue their summer internships. The specific objectives are;

1. To sensitize the students to the living conditions of the people who are around them,
2. To help students to realize the stark realities of the society.
3. To bring about an attitudinal change in the students and help them to develop societal consciousness, sensibility, responsibility and accountability
4. To make students aware of their inner strength and help them to find new /out of box solutions to the social problems.
5. To make students socially responsible citizens who are sensitive to the needs of the disadvantaged sections.
6. To help students to initiate developmental activities in the community in coordination with public and government authorities.
7. To develop a holistic life perspective among the students by making them study culture, traditions, habits, lifestyles, resource utilization, wastages and its management, social problems, public administration system and the roles and responsibilities of different persons across different social systems.

Implementation of Community Service Project

1. Every student should put in a minimum of **180 hours** for the Community Service Project during the summer vacation.
2. Each class/section should be assigned with a mentor.
3. Specific Departments could concentrate on their major areas of concern. For example, Dept. of Computer Science can take up activities related to Computer Literacy to different sections of people like - youth, women, house-wives, etc
4. A log book has to be maintained by each of the student, where the activities undertaken/involved to be recorded.
5. The log book has to be countersigned by the concerned mentor/faculty in charge.
6. Evaluation to be done based on the active participation of the student and grade could be awarded by the mentor/faculty member.
7. The final evaluation to be reflected in the grade memo of the student.
8. The Community Service Project should be different from the regular programmes of NSS/NCC/Green Corps/Red Ribbon Club, etc.
9. Minor project report should be submitted by each student. An internal Viva shall also be conducted by a committee constituted by the principal of the college.
10. Award of marks shall be made as per the guidelines of Internship/apprentice/ on the job training

Procedure

1. A group of students or even a single student could be assigned for a particular habitation or village or municipal ward, as far as possible, in the near vicinity of their place of stay, so as to enable them to commute from their residence and return back by evening or so.
2. The Community Service Project is a twofold one –
 - a) First, the student/s could conduct a survey of the habitation, if necessary, in terms of their own domain or subject area. Or it can even be a general survey, incorporating all the different areas. A common survey format could be designed. This should not be viewed as a duplication of work by the Village or Ward volunteers, rather, it could be another primary source of data.
 - b) Secondly, the student/s could take up a social activity, concerning their domain or subject area. The different areas, could be like –

- Agriculture
- Health
- Marketing and Cooperation
- Animal Husbandry
- Horticulture
- Fisheries
- Sericulture
- Revenue and Survey
- Natural Disaster Management
- Irrigation
- Law & Order
- Excise and Prohibition
- Mines and Geology
- Energy
- Internet
- Free Electricity
- Drinking Water

EXPECTED OUTCOMES

BENEFITS OF COMMUNITY SERVICE PROJECT TO STUDENTS

Learning Outcomes

1. Positive impact on students' academic learning
2. Improves students' ability to apply what they have learned in "the real world"
3. Positive impact on academic outcomes such as demonstrated complexity of understanding, problem analysis, problem-solving, critical thinking, and cognitive development
4. Improved ability to understand complexity and ambiguity

Personal Outcomes

1. Greater sense of personal efficacy, personal identity, spiritual growth, and moral development
2. Greater interpersonal development, particularly the ability to work well with others, and build leadership and communication skills

Social Outcomes

1. Reduced stereotypes and greater inter-cultural understanding
2. Improved social responsibility and citizenship skills
3. Greater involvement in community service after graduation

Career Development

1. Connections with professionals and community members for learning and career opportunities

2. Greater academic learning, leadership skills, and personal efficacy can lead to greater opportunity

Relationship with the Institution

1. Stronger relationships with faculty
2. Greater satisfaction with college
3. Improved graduation rates

BENEFITS OF COMMUNITY SERVICE PROJECT TO FACULTY MEMBERS

1. Satisfaction with the quality of student learning
2. New avenues for research and publication via new relationships between faculty and community
3. Providing networking opportunities with engaged faculty in other disciplines or institutions
4. A stronger commitment to one's research

BENEFITS OF COMMUNITY SERVICE PROJECT TO COLLEGES AND UNIVERSITIES

1. Improved institutional commitment
2. Improved student retention
3. Enhanced community relations

BENEFITS OF COMMUNITY SERVICE PROJECT TO COMMUNITY

1. Satisfaction with student participation
2. Valuable human resources needed to achieve community goals
3. New energy, enthusiasm and perspectives applied to community work
4. Enhanced community-university relations.

SUGGESTIVE LIST OF PROGRAMMES UNDER COMMUNITY SERVICE PROJECT

The following the recommended list of projects for Engineering students. The lists are not exhaustive and open for additions, deletions and modifications. Colleges are expected to focus on specific local issues for this kind of projects. The students are expected to carry out these projects with involvement, commitment, responsibility and accountability. The mentors of a group of students should take the responsibility of motivating, facilitating, and guiding the students. They have to interact with local leadership and people and appraise the objectives and benefits of this kind of projects. The project reports shall be placed in the college website for reference. Systematic, Factual, methodical and honest reporting shall be ensured.

For Engineering Students

1. Water facilities and drinking water availability
2. Health and hygiene
3. Stress levels and coping mechanisms
4. Health intervention programmes
5. Horticulture
6. Herbal plants
7. Botanical survey
8. Zoological survey
9. Marine products
10. Aqua culture
11. Inland fisheries
12. Animals and species
13. Nutrition
14. Traditional health care methods
15. Food habits
16. Air pollution
17. Water pollution
18. Plantation
19. Soil protection

20. Renewable energy
21. Plant diseases
22. Yoga awareness and practice
23. Health care awareness programmes and their impact
24. Use of chemicals on fruits and vegetables
25. Organic farming
26. Crop rotation
27. Flourey culture
28. Access to safe drinking water
29. Geographical survey
30. Geological survey
31. Sericulture
32. Study of species
33. Food adulteration
34. Incidence of Diabetes and other chronic diseases
35. Human genetics
36. Blood groups and blood levels
37. Internet Usage in Villages
38. Android Phone usage by different people
39. Utilization of free electricity to farmers and related issues
40. Gender ration in schooling level- observation.

Complimenting the community service project, the students may be involved to take up some awareness campaigns on social issues/special groups. The suggested list of programmes are;

Programmes for School Children

1. Reading Skill Programme (Reading Competition)
2. Preparation of Study Materials for the next class.
3. Personality / Leadership Development
4. Career Guidance for X class students
5. Screening Documentary and other educational films
6. Awareness Programme on Good Touch and Bad Touch (Sexual abuse)
7. Awareness Programme on Socially relevant themes.

Programmes for Women Empowerment

1. Government Guidelines and Policy Guidelines
2. Womens' Rights
3. Domestic Violence
4. Prevention and Control of Cancer
5. Promotion of Social Entrepreneurship

General Camps

1. General Medical camps
2. Eye Camps
3. Dental Camps
4. Importance of protected drinking water
5. ODF awareness camp
6. Swatch Bharat
7. AIDS awareness camp
8. Anti Plastic Awareness
9. Programmes on Environment
10. Health and Hygiene
11. Hand wash programmes
12. Commemoration and Celebration of important days

Programmes for Youth Empowerment

1. Leadership
2. Anti-alcoholism and Drug addiction
3. Anti-tobacco
4. Awareness on Competitive Examinations
5. Personality Development

Common Programmes

1. Awareness on RTI
2. Health intervention programmes
3. Yoga
4. Tree plantation
5. Programmes in consonance with the Govt. Departments like –
 - i. Agriculture
 - ii. Health
 - iii. Marketing and Cooperation
 - iv. Animal Husbandry
 - v. Horticulture
 - vi. Fisheries
 - vii. Sericulture
 - viii. Revenue and Survey
 - ix. Natural Disaster Management
 - x. Irrigation
 - xi. Law & Order
 - xii. Excise and Prohibition
 - xiii. Mines and Geology
 - xiv. Energy

Role of Students:

1. Students may not have the expertise to conduct all the programmes on their own. The students then can play a facilitator role.
2. For conducting special camps like Health related, they will be coordinating with the Governmental agencies.
3. As and when required the College faculty themselves act as Resource Persons.
4. Students can work in close association with Non-Governmental Organizations like Lions Club, Rotary Club, etc or with any NGO actively working in that habitation.
5. And also, with the Governmental Departments. If the programme is rolled out, the District Administration could be roped in for the successful deployment of the programme.
6. An in-house training and induction programme could be arranged for the faculty and participating students, to expose them to the methodology of Service Learning.

Timeline for the Community Service Project Activity

Duration: 8 weeks

1. Preliminary Survey (One Week)

- a) A preliminary survey including the socio-economic conditions of the allotted habitation to be conducted.
- b) A survey form based on the type of habitation to be prepared before visiting the habitation with the help of social sciences faculty. (However, a template could be designed for different habitations, rural/urban.
- c) The Governmental agencies, like revenue administration, corporation and municipal authorities and village secretariats could be aligned for the survey.

2. Community Awareness Campaigns (Two Weeks)

Based on the survey and the specific requirements of the habitation, different awareness campaigns and programmes to be conducted, spread over two weeks of time. The list of activities suggested could be taken into consideration.

3. ***Community Immersion Programme (Four Weeks)***

Along with the Community Awareness Programmes, the student batch can also work with any one of the below listed governmental agencies and work in tandem with them. This community involvement programme will involve the students in exposing themselves to the experiential learning about the community and its dynamics. Programmes could be in consonance with the Govt. Departments.

4. ***Community Exit Report (One Week)***

During the last week of the Community Service Project, a detailed report of the outcome of the 8 weeks works to be drafted and a copy shall be submitted to the local administration. This report will be a basis for the next batch of students visiting that particular habitation. The same report submitted to the teacher-mentor will be evaluated by the mentor and suitable marks are awarded for onward submission to the University.

Throughout the Community Service Project, a daily log-book need to be maintained by the students batch, which should be countersigned by the governmental agency representative and the teacher-mentor, who is required to periodically visit the students and guide them.

MALPRACTICES RULES
DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	<i>If the candidate:</i>	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.

	other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	
7.	Leaves the exam hall taking away answer script or intentionally tears the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action and impose suitable punishment.	

Malpractices identified by squad or special invigilators

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

* * * * *








Ragging

Prohibition of ragging in educational institutions Act 26 of 1997

Salient Features

- Ragging within or outside any educational institution is prohibited.
- Ragging means doing an act which causes or is likely to cause Insult or Annoyance of Fear or Apprehension or Threat or Intimidation or outrage of modesty or Injury to a student.

	Imprisonment upto		Fine Upto
Teasing, Embarrassing and Humiliation	 6 Months	+	Rs. 1,000/-
Assaulting or Using Criminal force or Criminal intimidation	 1 Year	+	Rs. 2,000/-
Wrongfully restraining or confining or causing	 2 Years	+	Rs. 5,000/-
Causing grievous hurt, kidnapping or Abducts or rape or committing unnatural offence	 5 Years	+	Rs. 10,000/-
Causing death or abetting suicide	 10 Months	+	Rs. 50,000/-

In Case of Emergency CALL TOLL FREE NO. : 1800 - 425 - 1288

LET US MAKE JNTUK A RAGGING FREE UNIVERSITY



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India
For Constituent Colleges and Affiliated Colleges of JNTUK



Ragging

ABSOLUTELY

NO TO RAGGING

- 1. Ragging is prohibited as per Act 26 of A.P. Legislative Assembly, 1997.**
- 2. Ragging entails heavy fines and/or imprisonment.**
- 3. Ragging invokes suspension and dismissal from the College.**
- 4. Outsiders are prohibited from entering the College and Hostel without permission.**
- 5. Girl students must be in their hostel rooms by 7.00 p.m.**
- 6. All the students must carry their Identity Cards and show them when demanded**
- 7. The Principal and the Wardens may visit the Hostels and inspect the rooms any time.**



Jawaharlal Nehru Technological University Kakinada
For Constituent Colleges and Affiliated Colleges of JNTUK

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LET US MAKE JNTUK A RAGGING FREE UNIVERSITY

**ACADEMIC REGULATIONS
COURSE STRUCTURE & DETAILED SYLLABUS**

R19

For

B.Tech FOUR YEAR DEGREE COURSE

(Applicable for the batches admitted from 2019-20)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533003, ANDHRA PRADESH, INDIA.**

ACADEMIC REGULATIONS (R19) FOR B. TECH. (REGULAR)

Applicable for the students of B. Tech. (Regular) from the Academic Year 2019-20 onwards

1. Award of B. Tech. Degree

1.1 A student will be declared eligible for the award of B. Tech. Degree if he fulfils the following academic regulations:

1. A student shall be declared eligible for the award of the B. Tech Degree, if he pursues a course of study in not less than four and not more than eight academic years. After eight academic years from the year of their admission, he/she shall **forfeit** their seat in B. Tech course and their admission stands cancelled.
2. The candidate shall register for 160 credits and secure all the 160 credits.

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

2. Courses of study

The following courses of study are offered at present as specializations for the B. Tech. Courses with English as medium of Instruction.

S. No.	Branch	Code	Short Name
1	Civil Engineering	01	CE
2	Electrical & Electronics Engineering	02	EEE
3	Mechanical Engineering	03	ME
4	Electronics and Communication Engineering	04	ECE
5	Computer Science Engineering	05	CSE
6	Chemical Engineering	08	CHEM
7	Electronics and Instrumentation Engineering	10	EIE
8	Information Technology	12	IT
9	Electronics and Computer Engineering	19	E.COM.E
10	Aeronautical Engineering	21	AE
11	Automobile Engineering	24	AME
12	Mining Engineering	26	MM
13	Petroleum Technology / Petroleum Engineering	27	PT
14	Metallurgical Engineering	31	MTE
15	Agriculture Engineering	35	AGE
16	Architecture (B. Arch)	40	ARC
17	B. Pharmacy	00	B. Pharm

3. Evaluation - Distribution and Weightage of marks

- (i) The performance of a student in each semester shall be evaluated subject – wise with a maximum of 100 marks for theory subject and 50 marks for practical subject. The project work shall be evaluated for 200 marks.
- (ii) For theory subjects the distribution shall be 25 marks for Internal Evaluation and 75 marks for the End - Examinations.
- (iii) 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 (Online Examination) and the descriptive paper shall be for 10 marks each with a total duration of 1 hour 50 minutes (20 minutes for objective and 90 minutes for descriptive paper). The objective paper is set with 20 multiple choice questions, **Online Examination by the University**, for a total of 10 marks. The descriptive paper shall contain 3 full questions, the student has to answer all questions. 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.
- (iv) Internal Marks can be calculated with 80% weightage for better of the two Mids and 20% weightage for other Mid Exam. As the syllabus is framed for 5 units, the 1st mid examination (Objective, Subjective and assignment) is conducted in 1, 2 & Half of -3 units and second test in remaining half of 3 unit,4&5 units of each subject in a semester.

Example:
Final internal Marks = (Best Mid marks x 0.8 + other Mid marks x 0.2)
- (v) The semester end examinations will be conducted for 75 marks consists of five questions carrying 15 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.
- (vi) For practical subjects there shall be continuous evaluation during the semester for 20 internal marks and 30 end examination marks. The internal 20 marks shall be awarded as follows: day to day work - 5 marks, Record-5 marks and the remaining 10 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner.
- (vii) For the subject having design and / or drawing, (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and estimation, the distribution shall be 25 marks for internal evaluation (15 marks for day – to – day work, and 10 marks for internal tests) and 75 marks for end examination. There shall be two internal tests in a Semester and the Marks for 10 can be calculated with 80% weightage for better of the two tests and 20% weightage for other test and these are to be added to the marks obtained in day to day work.

- (viii) Out of a total of 200 marks for the project work, 60 marks shall be for Internal Evaluation and 140 marks for the End Semester Examination. The End Semester Examination (Viva – Voce) shall be conducted by the committee. The committee consists of an external examiner, Head of the Department and Supervisor of the Project. The evaluation of project work shall be conducted at the end of the IV year. The Internal Evaluation shall be on the basis of two seminars given by each student on the topic of his project and evaluated by an internal committee.
- (ix) Laboratory marks and the internal marks awarded by the College are not final. The marks are subject to scrutiny and scaling by the University wherever felt desirable. The internal and laboratory marks awarded by the College will be referred to a Committee. The Committee shall arrive at a scaling factor and the marks will be scaled as per the scaling factor. The recommendations of the Committee are final and binding. The laboratory records and internal test papers shall be preserved in the respective departments as per the University norms and shall be produced to the Committees of the University as and when they ask for.
- (x) Audit Course/Non-Credit Course (AC/NC): There shall be AC/NC courses with zero credits. There shall be **no external** examination. However, attendance in the audit course shall be considered while calculating aggregate attendance and student shall be declared to have passed the mandatory course only when he/she secures 40% or more in the internal/mid examinations. In case, the student fails, a re-examination shall be conducted for failed candidates every six months/semester at a mutually convenient date of college/student satisfying the conditions mentioned in item 1 & 2 of the regulations.
- (xi) Mandatory Course (M.C): There shall be M.C with zero credits. There shall be no external examination. However, attendance in the mandatory course of minimum attendance (75%) in that particular subject.
- (xii) **Engineering Exploration Course:**
Engineering Exploration Project is offered to the First year students of all engineering disciplines. The motivation of including this in the curriculum is to make the students practice creative problem solving method - Design Thinking which fosters collaboration and solve problems in human-centered ways. It enables the students to exercise and identify design opportunities through various phases with the help of hands-on activities. Obtaining a best solution for an identified problem involves a non-linear, iterative process which seeks to understand users, challenge assumptions, redefine problems and create innovative solutions to prototype and test. The students are encouraged to explore real-world problems and expected to take charge of their own learning, work together in teams towards the problem.
The evaluation of the Engineering Exploration Project involves in writing their observations in Activity Cards at the end of each task given in syllabus and submitting a final report along with working prototype.
It shall be evaluated for 50 marks as an external. The committee consists of an external examiner, Head of the Department and a supervisor/mentor. There shall be no internal marks.

- (xiii) **Procedure for Conduct and Evaluation of MOOC:** There shall be a Discipline Centric Elective Course through Massive Open Online Course (MOOC) as Program Elective course. The student shall register for the course (Minimum of 12 weeks) offered by SWAYAM/NPTEL/JNTUK MOOCS through online with the approval of Head of the Department.

The Head of the Department shall appoint one mentor for each of the MOOC subjects offered. The student needs to register the course in the SWAYAM/NPTEL portal in the previous semester. During the course, the mentor monitors the student's assignment submission given by SWAYAM/NPTEL at the end of every week. The student needs to submit all the assignments given and needs to take final exam at the proctor center. The student needs to earn a certificate by passing the exam. The student will be awarded the credits given in curriculum only by submission of the certificate.

For JNTUK MOOCS course, the mentor appointed shall conduct the mid semester examinations as per 3(iii). Further, the University shall conduct the external examination for the MOOC subject in line with other regular subjects based on the syllabi of the respective subject provided in the curriculum. A MOOC course may be studied either in online or in conventional manner.

In case if the student does not pass in SWAYAM/NPTEL, the alternative subject maybe taken from JNTUK MOOCS and has to pass the course as per 3(iii)

Open Electives are evaluated as per 3(iii)

- (xiv) Induction program is mandatory for all first year UG students and shall be conducted as per Semester -0 course structure.
- (xv) Mini Project/Internship guidelines: 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 technical report form and presented before the committee in IV year I semester. It shall be evaluated for 50 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.
- (xvi) 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. External evaluation for both project stages shall be completed before the commencement of end Theory examinations.

4. Attendance Requirements

1. **A student is eligible to write the University examinations if he acquires a minimum of 50% in each subject and 75% of attendance in aggregate of all the subjects.**
2. Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee
3. Shortage of Attendance below 65% in aggregate shall not be condoned.
4. A student who is short of attendance in semester may seek re-admission into that semester when offered within 4 weeks from the date of the commencement of class work.
5. Students whose shortage of attendance is not condoned in any semester are not eligible to write their end semester examination of that class.
6. A stipulated fee shall be payable towards condonation of shortage of attendance.
7. A student will be promoted to the next semester if he satisfies the (i) attendance requirement of the present semester and (ii) minimum required credits.
8. If any candidate fulfills the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.

5. Minimum Academic Requirements

The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in item no.4.

- 5.1 A student is deemed to have satisfied the minimum academic requirements if he has **earned the credits allotted to each theory/practical design/drawing subject/ project by securing not less than 35% of marks in the end semester exam, and minimum 40% of marks in the sum total of the internal marks and end semester examination marks.**
- 5.2 A student shall be promoted from first year to second year if he fulfills the minimum attendance requirement.
- 5.3 A student will be **promoted from II year to III year** if he fulfills the academic requirement of **40% of the credits up to either II year I semester or II year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in II year II semester.**
- 5.4 A student shall be **promoted from III year to IV year** if he fulfills the academic requirements of **40% of the credits up to either III year I semester or III year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in III year II semester.**
- 5.5 A student shall register and put up minimum attendance in all 160 credits and earn all 160 credits.

6. Course Pattern

1. The entire course of study is for four academic years, all the years are on semester pattern.

2. A student eligible to appear for the end semester examination in a subject, but absent from it or has failed in the end semester examination, may write the exam in that subject when conducted next.
3. When a student is detained for lack of credits / shortage of attendance, he may be re-admitted into the same semester / year in which he has been detained. However, the academic regulations under which he was first admitted shall continue to be applicable to him.

7. CGPA

Marks Range Theory (Max – 100)	Marks Range Lab (Max – 50)	Letter Grade	Level	Grade Point
≥ 90	≥ 45	O	Outstanding	10
≥80 to <90	≥40 to <45	S	Excellent	9
≥70 to <80	≥35 to <40	A	Very Good	8
≥60 to <70	≥30 to <35	B	Good	7
≥50 to <60	≥25 to <30	C	Fair	6
≥40 to <50	≥20 to <25	D	Satisfactory	5
<40	<20	F	Fail	0
			Absent	0

Computation of SGPA

- The following procedure is to be adopted to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):
- The **SGPA** is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e
- $$SGPA (S_i) = \frac{\sum (C_i \times G_i)}{\sum C_i}$$
- Where C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

Computation of CGPA

- The **CGPA** is also calculated in the same manner taking into account all the courses undergone by a student over all the semester of a programme, i.e.
- $$CGPA = \frac{\sum (C_i \times S_i)}{\sum C_i}$$
- Where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.
- The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.
- Equivalent Percentage = $(CGPA - 0.75) \times 10$

8. Award of Class

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he shall be placed in one of the following four classes:

Class Awarded	CGPA to be secured	From the CGPA secured from 160 Credits.
First Class with Distinction	≥ 7.75	
First Class	≥ 6.75	
Second Class	≥ 5.75 to < 6.75	
Pass Class	≥ 4.75 to < 5.75	

9. Minimum Instruction Days

The minimum instruction days for each semester shall be 90 working days.
There shall be no branch transfers after the completion of the admission process.
There shall be no transfer from one college/stream to another within the Constituent Colleges and Units of Jawaharlal Nehru Technological University Kakinada.

10. Withholding of Results

If the student is involved in indiscipline/malpractices/court cases, the result of the student will be withheld.

11. Transitory Regulations

1. Discontinued or detained candidates are eligible for re-admission as and when next offered.
2. The re-admitted candidate will be governed by the rules & regulations under which the candidate has been admitted.
3. (a) In case of transferred students from other Universities, the credits shall be transferred to JNTUK as per the academic regulations and course structure of the JNTUK.
(b) The students seeking transfer to colleges affiliated to JNTUK from various other Universities / Institutions have to obtain the credits of any equivalent subjects as prescribed by JNTUK. In addition, the transferred candidates have to pass the failed subjects at the earlier Institute with already obtained sessional marks to be conducted by JNTUK.

12. General

1. Wherever the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".
2. The academic regulation should be read as a whole for the purpose of any interpretation.
3. In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
4. The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

ACADEMIC REGULATIONS (R19) FOR B. TECH. (LATERAL ENTRY SCHEME)

Applicable for the students admitted into II year B. Tech. from the Academic Year 2020-21 onwards

1 Award of B. Tech. Degree

A student will be declared eligible for the award of B. Tech. Degree if he fulfils the following academic regulations:

1.1 A student shall be declared eligible for the award of the B. Tech Degree, if he pursues a course of study in not less than three academic years and not more than six academic years. After six academic years from the year of their admission, he/she shall **forfeit** their seat in B. Tech course and their admission stands cancelled.

1.2 The candidate shall register for 120 credits and secure all the 120 credits.

2. The attendance regulations of B. Tech. (Regular) shall be applicable to B.Tech (lateral entry).

3. Promotion Rule

A student shall be promoted from second year to third year if he fulfills the minimum attendance requirement.

A student shall be promoted from III year to IV year if he fulfils the academic requirements of 40% of the credits up to either III year I semester or III year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in III year II semester.

4. Award of Class

After a student has satisfied the requirement prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he shall be placed in one of the following four classes:

Class Awarded	CGPA to be secured	From the CGPA secured from 120 Credits from II Year to IV Year
First Class with Distinction	≥ 7.75	
First Class	≥ 6.75	
Second Class	≥ 5.75 to < 6.75	
Pass Class	≥ 4.75 to < 5.75	

The Grades secured, Grade points and Credits obtained will be shown separately in the memorandum of marks.

5. 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
	<i>If the candidate:</i>	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.

7.	Leaves the exam hall taking away answer script or intentionally tears the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action and impose suitable punishment.	

Malpractices identified by squad or special invigilators

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

* * * * *



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA KAKINADA-
533003, Andhra Pradesh (India)**

For Constituent Colleges and Affiliated Colleges of JNTUK

RAGGING

Prohibition of ragging in educational institutions Act 26 of 1997

Salient Features

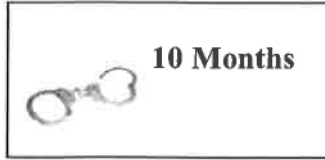


Ragging within or outside any educational institution is prohibited. Ragging means doing an act which causes or is likely to cause Insult or Annoyance or Fear or Apprehension or Threat or Intimidation or outrage of modesty or Injury to a student

	Imprisonment upto		Fine Upto
Teasing, Embarrassing and Humiliation	6 Months 	+	RS. 1,000/-
Assaulting or Using Criminal force or Criminal intimidation	1 Year 	+	RS. 2,000/-
Wrongfully restraining or confining or causing hurt	2 Years 	+	RS. 5,000/-
Causing grievous hurt, kidnapping or Abducts or rape or committing unnatural offence	5 Years 	+	RS. 10,000/-



Causing death or
abetting suicide



+

RS. 50,000/-

In Case of Emergency CALL TOLL FREE NO. : 1800 - 425 - 1288

LET US MAKE JNTUK A RAGGING FREE UNIVERSITY



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA-533003, Andhra Pradesh (India)

For Constituent Colleges and Affiliated Colleges of JNTUK
For Constituent Colleges and Affiliated Colleges of JNTUK

RAGGING
ABSOLUTELY
NO TO RAGGING

1. Ragging is prohibited as per Act 26 of A.P. Legislative Assembly, 1997.
2. Ragging entails heavy fines and/or imprisonment.
3. Ragging invokes suspension and dismissal from the College.
4. Outsiders are prohibited from entering the College and Hostel without permission.
5. Girl students must be in their hostel rooms by 7.00 p.m.
6. All the students must carry their Identity Cards and show them when demanded
7. The Principal and the Wardens may visit the Hostels and inspect the rooms any time.



Jawaharlal Nehru Technological University Kakinada
For Constituent Colleges and Affiliated Colleges of JNTUK

In Case of Emergency CALL TOLL FREE NO. : 1800 - 425 - 1288

LET US MAKE JNTUK A RAGGING FREE UNIVERSITY

**MID
EXAMINATION
TIMETABLES**

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES :: MARKAPUR
CIRCULAR

Date: 16-03-2023

I Mid Examinations for II - B.Tech II Sem (R20) students are scheduled from Monday, 20th March 2023. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from : 2.30 P.M. to 4.00 P.M

The Online Exam will be conducted from : 10.00 A.M to 01.00 P.M

*****Note: The faculty according to timetable has to act as Invigilator for online exam**


EXAM SECTION I/C


PRINCIPAL 16/3/23

COPY TO HOD'S:

CE :  16/3/23

EEE : 

ME : 

ECE : 

CSE : 

AI&ML : 

ON-LINE IN-CHARGE : 

HES :- 



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, MARCH - 2023

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	20-03-2023 (Monday)	21-03-2023 (Tuesday)	23-03-2023 (Thursday)	24-03-2023 (Friday)	25-03-2023 (Saturday)
CIVIL ENGINEERING (01-CE)	Complex Variables and Statistical Methods R2022011 (Comm to CE,ME,AME,MM)	Strength of Materials -II R2022012	Hydraulics and Hydraulic Machinery R2022013	Environmental Engineering R2022014	Managerial Economics & Financial Analysis R2022015 (Comm to CE,EEE,EIE,ECT,AGE,FE)
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Python Programming R2022021 (Common to EEE, FE)	Digital Electronics R2022022	Power System-I R2022023	Induction and Synchronous Machines R2022024	Managerial Economics & Financial Analysis R2022015 (Comm to CE,EEE,EIE,ECT,AGE,FE)
MECHANICAL ENGINEERING (03-ME)	Complex Variables and Statistical Methods R2022011 (Comm to CE,ME,AME,MM)	Material Science & Metallurgy R2022031	Dynamics of Machinery R2022032	Thermal Engineering-I R2022033	Industrial Engineering and Management R2022034
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Electronic Circuit Analysis R2022041 (Comm to ECE,EIE,ECT)	Digital IC Design R2022042	Analog Communications R2022043 (Common to ECE,ECT)	Linear Control Systems R2022044 (Common to ECE,EIE)	Management and Organizational Behavior R2022045 (Common to ECE, PE)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Java Programming R2022054 (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accounting R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, MARCH - 2023

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	20-03-2023 (Monday)	21-03-2023 (Tuesday)	23-03-2023 (Thursday)	24-03-2023 (Friday)	25-03-2023 (Saturday)
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization R2022421 ✓ (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining R2022422 (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accounting R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
COMPUTER SCIENCE AND DESIGN (62)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization R2022421 (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Visual Design and Communication R2022621	Data Warehousing and Mining R2022422 (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accounting R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 13-03-2023

H. Reddic
Controller of Examinations

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
CIRCULAR

Date: 14-12-2022

II Mid Examinations for II - B.Tech I Sem (R20) students are scheduled from Monday, 19th DEC 2022. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from : **2.30 P.M. to 4.00 P.M**

The **Online Exam** will be conducted from : **10.00 A.M to 01.00 P.M**

***** Note: The faculty according to timetable has to act as Invigilator for online exam**


EXAM SECTION I/C



PRINCIPAL


COPY TO HOD'S:


CE : 

EEE : 

ME : 

ECE : 

CSE : 

AI&ML : 

ON-LINE IN-CHARGE : 



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II.B. TECH I SEMESTER (R20)

II B. TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2022

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-12-2022 (Monday)	20-12-2022 (Tuesday)	21-12-2022 (Wednesday)	22-12-2022 (Thursday)	23-12-2022 (Friday)
CIVIL ENGINEERING (01-CE) <i>+</i>	Mathematics -III R2021011 (Except EBE,FE)	Strength of Materials-I R2021012	Fluid Mechanics R2021013	Surveying and Geometrics R2021014	Highway Engineering R2021015
ELECTRICAL AND ELECTRONICS ENGINEERING (02.EEE) <i>+</i>	Mathematics - IV R2021021	Electronic Devices and Circuits R2021022	Electrical Circuit Analysis -II R2021023	DC Machines and Transformers R2021024	Electro Magnetic Fields R2021025
MECHANICAL ENGINEERING (03-ME) <i>+</i>	Mathematics -III R2021011 (Except EBE,FE)	Mechanics of Solids R2021031 (Common to ME,AME)	Production Technology R2021033	Fluid Mechanics & Hydraulic Machines R2021032 (Common to ME,AME)	Kinematics of Machinery R2021034
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Mathematics -III R2021011 (Except EBE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT)	Signals and Systems R2021043 (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes R2021044 (Common to ECE,ECT)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Mathematics -III R2021011 (Except EBE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AMML),AIDS,CSE(AIDS),CSE (CS),IOTCSBT,CSBS,IOT,AIDS,CS,AMML,I OT,CSD)	Object Oriented Programming through C++ R2021051 (Common to CSE,IT)	Operating Systems R2021052 (Common to CSE,CST, IT,CS,IOTCSBT,IOT,CS)	Software Engineering R2021053
COMPUTER SCIENCE & TECHNOLOGY (06)	Mathematics -III R2021011 (Except EBE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AMML), AIDS,CSF(AIDS),CSE(CS),IOTCSBT,CSBS IOT,AIDS,CS,AMML,IOT,CSD)	Data Structures R2021061 (Common to CST,CSE(CS), CS,OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT, CSE(CS),IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS), OITCSBT,IOT,CS,IOT)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B. TECH I SEMESTER (R20)

II B. TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2022

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE						
	19-12-2022 (Monday)	20-12-2022 (Tuesday)	21-12-2022 (Wednesday)	22-12-2022 (Thursday)	23-12-2022 (Friday)		
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Mathematics -III R2021011 (Except BEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS(D)	Introduction to Artificial Intelligence and Data Science R2021451 (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML),AIDS,CSE(AIDS),AIDS,AIML,CS(D)		
PHARMACEUTICAL ENGINEERING (55)	Mathematics – III R2021011 (Except BEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology R2021551	Material and Energy Balance Computations R2021552	Fluid Mechanics and Mechanical Unit Operations R2021553	Thermodynamics for pharmaceutical Engineers R2021554		
CYBER SECURITY (59)	Mathematics -III R2021011 (Except BEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS(D)	Data Structures R2021061 (Common to CST,CSE(CS),CS,OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)		
INTERNET OF THINGS (60)	Mathematics -III R2021011 (Except BEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS(D)	Data Structures R2021061 (Common to CST,CSE(CS),CS,OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)		
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Mathematics -III R2021011 (Except BEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS(D)	Introduction to Artificial Intelligence and Machine Learning R2021421 (Common to CSE(AIML),AIML)	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML),AIDS,CSE(AIDS),AIDS,AIML,CS(D)		

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
CIRCULAR

Date: 17-10-2022

I Mid Examinations for II - B.Tech I Sem (R20) students are scheduled from Tuesday, 25th OCT 2022. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from : 2.30 P.M. to 4.00 P.M


The Online Exam will be conducted from : 10.00 A.M to 01.00 P.M

*** Note: The faculty according to timetable has to act as Invigilator for online exam


EXAM SECTION I/C


PRINCIPAL


COPY TO HOD'S:

CE :  17/10/22

EEE : 

ME : 

ECE : 

CSE : 

AI&ML : 

ON-LINE IN-CHARGE : 

H&S :

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

II B.TECH I SEMESTER (R20)

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2022**TIME TABLE****TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	25-10-2022 (Tuesday)	26-10-2022 (Wednesday)	27-10-2022 (Thursday)	28-10-2022 (Friday)	29-10-2022 (Saturday)
CIVIL ENGINEERING (01-CE)	Mathematics -III R2021011 (Except EEE,FE)	Strength of Materials-I R2021012	Fluid Mechanics R2021013	Surveying and Geometrics R2021014	Highway Engineering R2021015
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Mathematics - IV R2021021	Electronic Devices and Circuits R2021022	Electrical Circuit Analysis -II R2021023	DC Machines and Transformers R2021024	Electro Magnetic Fields R2021025
MECHANICAL ENGINEERING (03-ME)	Mathematics -III R2021011 (Except EEE,FE)	Mechanics of Solids R2021031 (Common to ME,AME)	Production Technology R2021033	Fluid Mechanics & Hydraulic Machines R2021032 (Comm to ME,AME)	Kinematics of Machinery R2021034
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Mathematics -III R2021011 (Except EEE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT)	Signals and Systems R2021043 (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes R2021044 (Common to ECE,ECT)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), ALDS, CSE(AIDS), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML)	Object Oriented Programming through C++ R2021051 (Common to CSE,IT)	Operating Systems R2021052 (Common to CSE,CST, IT,CS,IOTCSBT,IOT,CS)	Software Engineering R2021053

Page 1 of 7

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

II B.TECH I SEMESTER (R20)

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2022**TIME TABLE****TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	25-10-2022 (Tuesday)	26-10-2022 (Wednesday)	27-10-2022 (Thursday)	28-10-2022 (Friday)	29-10-2022 (Saturday)
PHARMACEUTICAL ENGINEERING (55)	Mathematics - III R2021011 (Except EEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology R2021551	Material and Energy Balance Computations R2021552	Fluid Mechanics and Mechanical Unit Operations R2021553	Thermodynamics for pharmaceutical Engineers R2021554
CYBER SECURITY (59)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),ALDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML)	Data Structures R2021061 (Common to CST,CSE(CS),CS,OTCSBT, CSBS,IOT,CS)	Operating Systems R2021052 (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OTCSBT,IOT,CS)
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST, CSE (AIML),ALDS,CSE(AIDS),CSE(CS), IOTCSBT,CSBS,IOT,AIDS,CS,AIML)	Introduction to Artificial Intelligence and Machine Learning R2021421 (Common to CSE(AIML),AIML)	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),ALDS,CSE(AIDS),AIDS,AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML),ALDS,CSE(AIDS), AIDS,AIML)

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Collected by...

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
CIRCULAR

Date: 27-08-2022

I Mid Examinations for IV B.Tech I Sem students are scheduled from **MONDAY, 5th SEP 2022**. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The subjective Test is for 15 marks (3 Questions) for **IV years**.

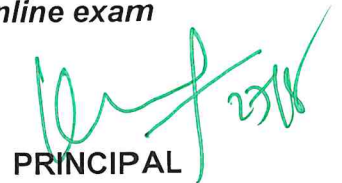
The Subjective Exam will be conducted from: **09.45 A.M. to 11.15 A.M**

The **Online Exam** will be conducted from : **11.30 A.M. to 01.30 P.M**

***** Note: The faculty according to timetable has to act as Invigilator for online exam**



EXAM SECTION I/C


PRINCIPAL

COPY TO HOD'S:


CIVIL : 

EEE : 

MECH : 

ECE : 

CSE : 

ON-LINE IN-CHARGE : 



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA
IV B.TECH - I SEMESTER (R19) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2022
T I M E T A B L E

TIME : 10.00 AM TO 12.00 NOON

Branch	05-09-2022 (Monday)	06-09-2022 (Tuesday)	07-09-2022 (Wednesday)	08-09-2022 (Thursday)	09-09-2022 (Friday)	12-09-2022 (Monday)
Civil Engineering (01)	Design & Drawing of Steel Structures (R1941011)	Geotechnical Engineering - II (R1941012)	Remote Sensing & GIS (R1941013)	Elective-III : Bridge Engineering (R1941014A)/ Industrial Waste Water Treatment (R1941014B)/ Earth Rock-fill Dams (R1941014C)/ Intelligent Transportation Systems (R1941014D)/ Building Services (R1941014E)	.....	Open Elective-III: Disaster Management (R1941015A)/ Environmental Pollution & Control (R1941015B)/ Elements of Civil Engineering (R1941015C)/ <u>Green Technology (R1941015D)</u> / Smart Cities (R1941015E)/ Project Management (R1941015F)/ Traffic Safety (R1941015G)/ Geo-Spatial Technologies (R1941015H)/ Waste Water Treatment (R1941015I)
Electrical & Electronics Engineering (02)	Switchgear & Protection (R1941021)	OOPs through JAVA (R1941022)	Renewable Energy Systems (R1941023)	Elective-II : Utilization of Electrical Energy (R1941024A)/ Data Base Management System (R1941024B)/ Advanced Control Systems (R1941024C)/ Electrical Machine Design (R1941024D)/ Hybrid Electric Vehicles (R1941024E)	Elective-III: Operating Systems (R1941025A)/ Neural Networks & Fuzzy Logic (R1941025B)/ <u>High Voltage Engineering (R1941025C)</u> / Energy Auditing and Demand Side Management (R1941025D)/ Data Analytics with Python (R1941025E)	Open Elective - II :- Measurements & Instrumentation (Except for EEE)(R1941029A)/ Fundamentals of Utilization of Electrical Energy (Except for EEE) (R1941029B)/ Concepts of Power System Engineering (Except for EEE) (R1941029C)/ Basics of Control Systems (Except for EEE) (R1941029D)/ Energy Audit (Except for EEE) (R1941029E)
Mechanical Engineering (03)	Industrial Management (R1941031)	Elective - III :- Mechanical Vibrations (R1941033A)/ Renewable Energy Sources (R1941033B)/ <u>Production Planning & Control (R1941033C)</u> / Machine Tool Design (R1941033D)	.....	Finite Element Methods (Common to ME & AME) (R1941032)	Elective-IV: Industrial Automation and Robotics (R1941034A)/ Micro and Nano Manufacturing (R1941034B)/ <u>Power Plant Engineering (R1941034C)</u> / Optimization Techniques (R1941034D)	Open Elective-II: MEMS (R1941035A)/ Optimization Methods (R1941035B)/ Operations Management (R1941035C)/ <u>Nano Technology (R1941035D)</u> / Finite Element Analysis (R1941035E)
Electronics & Communication Engineering (04)	Microwave and Optical Communication Engineering (R1941041)	Data Communications & Computer Networks (R1941042)	Digital Image and Video Processing (R1941043)	Elective-III : Communication Standards and Protocols (R1941044A)/ Analog IC Design (R1941044B)/ SmartSensors (R1941044C)/ Advanced Digital Signal Processing (R1941044D)/ Augmented Reality (R1941044E)	Elective-IV: Software Radio (R1941045A)/ Low Power VLSI Design (R1941045B)/ <u>Embedded Systems (R1941045C)</u> / DSP Processors and Architectures (R1941045D)/ Multi Media Communication (R1941045E)	Open Elective - Embedded Systems (Except for ECE) (R1941049) → FOR CSE



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA
IV B.TECH - I SEMESTER (R19) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2022
T I M E T A B L E

TIME : 10.00 AM TO 12.00 NOON

Branch	05-09-2022 (Monday)	06-09-2022 (Tuesday)	07-09-2022 (Wednesday)	08-09-2022 (Thursday)	09-09-2022 (Friday)	12-09-2022 (Monday)
Computer Science & Engineering (05)	Cryptography and Network Security (Common to CSE & IT) (R1941051)	Machine Learning (Common to CSE & IT) (R1941053)	UML & Design Patterns (R1941052)	Elective-III : Mobile Computing (R1941054A)/ Data Science (R1941054B)/ NoSQL Databases (R1941054C)/ Internet of Things (R1941054D)/ <u>Software Project Management (R1941054E)</u>	Elective-IV: Web Services (R1941055A)/ <u>Cloud Computing (Common to CSE & IT) (R1941055B)</u> / Mean Stack Technologies (R1941055C)/ Ad-hoc and Sensor Networks (Common to CSE & IT) (R1941055D)/ Cyber Security & Forensics (R1941055E)	Open Elective : Problem Solving using Python (Common to CSE & IT) (Except CSE & IT) (R1941056A)/ Web Technologies (Common to CSE & IT) (Except CSE & IT) (R1941056B)/ Machine Learning (Common to CSE & IT) (Except CSE & IT) (R1941056C)/ Distributed Computing (Common to CSE & IT) (Except CSE & IT) (R1941056D)/ AI Tools & Techniques (Common to CSE & IT) (Except CSE & IT) (R1941056E)/ Data Science (Except CSE & IT) (R1941056F)
Information Technology (12)	Cryptography and Network Security (Common to CSE & IT) (R1941051)	Machine Learning (Common to CSE & IT) (R1941053)	Advanced Computer Networks (R1941121)	Elective IV: Distributed Systems (R1941123A)/ DevOps (R1941123B) / Internet of Things (R1941123C)/ Data Science (R1941123D)/ Biometrics (R1941123E)	Elective III: Big Data Analytics (R1941122A)/ Social Networking (R1941122B)/ Ad-hoc and Sensor Networks (Common to CSE & IT) (R1941055D)/ Cloud Computing (Common to CSE & IT) (R1941055B)/ Design Patterns (R1941122C)	Open Elective : Problem Solving using Python (Common to CSE & IT) (Except CSE & IT) (R1941056A)/ Web Technologies (Common to CSE & IT) (Except CSE & IT) (R1941056B)/ Machine Learning (Common to CSE & IT) (Except CSE & IT) (R1941056C)/ Distributed Computing (Common to CSE & IT) (R1941056D)/ AI Tools & Techniques (Common to CSE & IT) (Except CSE & IT) (R1941056E)/ Data Science (Except CSE & IT) (R1941123D)
Automobile Engineering (24)	Industrial Engineering & Management (R1941241)	Vehicle Dynamics (R1941242)	Vehicle Body Engineering (R1941243)	Elective I : CAD/CAM (R1941245A)/ Two and Three Wheelers (R1941245B)/ Automotive Aerodynamics (R1941245C)/ Vehicle Infotonics (R1941245D)/ Finite Element Methods (Common to ME & AME) (R1941032)	Elective II : Mechatronics (R1941246A)/ Computational Fluid Dynamics (R1941246B)/ Condition Monitoring (R1941246C)/ Managerial Economics and financial analysis (R1941246D)/ Internet of Things (R1941246E)	Alternative Energy sources for Automobiles (R1941244)
Mining Engineering (26)	Computer Applications in Mining (R1941261)	Mine Planning and Design (R1941262)	Mine Legislation & General Safety (R1941263)	Elective I: Rocks Slope Engineering (R1941264A)/ Mine Subsidence Engineering (R1941264B)/ Mine Systems Engineering (R1941264C)	.....	.....

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
RE-REVISED CIRCULAR

Date: 11-11-2022

I Mid Examinations for II - B.Tech I Sem (R20) students are **rescheduled** from Monday, 14th NOV 2022. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from: **02.30 P.M. to 04.00 P.M**

The **Online Exam** will be conducted from : **10.20 A.M to 02.00 P.M**







***** Note: The faculty according to timetable has to act as Invigilator for online exam*****

610

EXAM SECTION I/C


PRINCIPAL

COPY TO HOD'S:

CE :  11/11/22
EEE : 
ME : 
ECE : 
CSE : 
AI&ML : 

ON-LINE IN-CHARGE :





JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

II B.TECH I SEMESTER (R20)

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER - 2022

REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	14-11-2022 (Monday)	15-11-2022 (Tuesday)	16-11-2022 (Wednesday)	17-11-2022 (Thursday)	18-11-2022 (Friday)
CIVIL ENGINEERING (01-CE)	Mathematics -III R2021011 (Except EEE,FE)	Strength of Materials-I R2021012	Fluid Mechanics R2021013	Surveying and Geometrics R2021014	Highway Engineering R2021015
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Mathematics - IV R2021021	Electronic Devices and Circuits R2021022	Electrical Circuit Analysis -II R2021023	DC Machines and Transformers R2021024	Electro Magnetic Fields R2021025
MECHANICAL ENGINEERING (03-ME)	Mathematics -III R2021011 (Except EEE,FE)	Mechanics of Solids R2021031 (Common to ME,AME)	Production Technology R2021033	Fluid Mechanics & Hydraulic Machines R2021032 (Comm to ME,AME)	Kinematics of Machinery R2021034
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Mathematics -III R2021011 (Except EEE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT)	Signals and Systems R2021043 (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes R2021044 (Common to ECE,ECT)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), ALDS, CSE (AIML), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Object Oriented Programming through C++ R2021051 (Common to CSE,IT)	Operating Systems R2021052 (Common to CSE, CST, IT, CS, IOTCSBT, IOT, CS)	Software Engineering R2021053
COMPUTER SCIENCE & TECHNOLOGY (06)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), ALDS, CSE (AIML), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Data Structures R2021061 (Common to CST, CSE (CS), CS, IOTCSBT, CSBS, IOT, CS, IOT)	Operating Systems R2021052 (Common to CSE, CST, IT, CSE (CS), IOTCSBT, IOT)	Java Programming R2021062 (Comm to CST, CSE (CS), IOTCSBT, IOT, CS, IOT)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

II B.TECH I SEMESTER (R20)

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER - 2022

REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	14-11-2022 (Monday)	15-11-2022 (Tuesday)	16-11-2022 (Wednesday)	17-11-2022 (Thursday)	18-11-2022 (Friday)
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), ALDS, CSE (AIML), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Introduction to Artificial Intelligence and Data Science R2021451 (Common to CSE (AIML), ALDS, CSE (AIML), AIDS)	Object Oriented Programming with Java R2021422 (Comm to CSE (AIML), ALDS, CSE (AIML), AIDS, AIML)	Database Management Systems R2021121 (Common to IT, CSE (AIML), ALDS, CSE (AIML), AIDS, AIML, CSD)
PHARMACEUTICAL ENGINEERING (55)	Mathematics - III R2021011 (Except EEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology R2021551	Material and Energy Balance Computations R2021552	Fluid Mechanics and Mechanical Unit Operations R2021553	Thermodynamics for pharmaceutical Engineers R2021554
CYBER SECURITY (59)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), ALDS, CSE (AIML), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Data Structures R2021061 (Common to CST, CSE (CS), IOTCSBT, CSBS, IOT, CS, IOT)	Operating Systems R2021052 (Common to CSE, CST, IT, CSE (CS), IOTCSBT, IOT)	Java Programming R2021062 (Comm to CST, CSE (CS), IOTCSBT, IOT, CS, IOT)
INTERNET OF THINGS (60)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), ALDS, CSE (AIML), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Data Structures R2021061 (Common to CST, CSE (CS), IOTCSBT, CSBS, IOT, CS, IOT)	Operating Systems R2021052 (Common to CSE, CST, IT, CS, IOTCSBT, IOT)	Java Programming R2021062 (Comm to CST, CSE (CS), IOTCSBT, IOT, CS, IOT)
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML), ALDS, CSE (AIML), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Introduction to Artificial Intelligence and Machine Learning R2021421 (Common to CSE (AIML), AIML)	Object Oriented Programming with Java R2021422 (Comm to CSE (AIML), ALDS, CSE (AIML), AIDS, AIML)	Database Management Systems R2021121 (Common to IT, CSE (AIML), ALDS, CSE (AIML), AIDS, AIML, CSD)

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
CIRCULAR

Date: 27-02-2023

I Mid Examinations for III - B.Tech II Sem (R20) students are scheduled from Monday, 06th MAR 2023. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from: **02.30 P.M. to 04.00 P.M**

The **Online Exam** will be conducted from : **10.00 AM to 01.00 P.M**


***** Note: The faculty according to timetable has to act as Invigilator for online exam**


EXAM SECTION I/C


PRINCIPAL

COPY TO HOD'S:

CE :  27/2/23

ME : 

ECE : 

CSE : 

ON-LINE IN-CHARGE : 



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, MARCH - 2023

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	06.03.2023 (Monday)	07.03.2023 (Tuesday)	09.03.2023 (Thursday)	10.03.2023 (Friday)	13.03.2023 (Monday)	14.03.2023 (Tuesday)
CIVIL ENGINEERING (01 CE)	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	<u>Professional Elective (PE- II) :-</u> Advanced Structural Analysis R203201A Architecture and Town Planning R203201B <u>Road Safety Engineering R203201C</u> Traffic Engineering R203201D	<u>Open Elective (OE II) :-</u> Elements of Civil Engineering R203201E Environmental Engineering R203201F Disaster Management R203201G * → F&CSE Water Resource Engineering R203201H Hydraulics and Hydraulic Machinery R203201I Green Technologies R203201J Remote Sensing and GIS R203201K (Common to CE,MM)	.....
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	<u>Professional Elective (PE) :-</u> Signal and Systems R203202A Electric Drives R203202B Advanced Control Systems R203202C Switchgear and Protection R203202D Big Data Analytics R203202E	<u>Open Elective (OE II) :-</u> Battery Management Systems and Charging Stations R203202F Fundamentals of utilization of Electrical Energy R203202G Indian Electricity Act R203202H	.....
MECHANICAL ENGINEERING (03 ME)	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	<u>Professional Elective (PE) :-</u> Automobile Engineering R203203A Smart Manufacturing R203203B Advanced Mechanics of Solids R203203C Statistical Quality Control R203203D Industrial Hydraulics and Pneumatics R203203E	<u>Open Elective (OE II) :-</u> Industrial Robotics R203203G Essentials of Mechanical Engineering R203203H <u>Advanced Materials R203203I</u> → F&CSE Introduction to Automobile Engineering R203203J	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, MARCH - 2023

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	06.03.2023 (Monday)	07.03.2023 (Tuesday)	09.03.2023 (Thursday)	10.03.2023 (Friday)	13.03.2023 (Monday)	14.03.2023 (Tuesday)
ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE)	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	<u>Professional Elective (PE) :-</u> Microwave Engineering R203204A Mobile & Cellular Communication R203204B <u>Embedded Systems R203204C</u> CMOS Analog IC Design R203204D	<u>Open Elective (OE II) :-</u> Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation R203204F Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers R203204J Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	.....
COMPUTER SCIENCE & ENGINEERING (05 CSE)	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE) :-</u> Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design R203205C Network Programming R203205D (Common to CSE,CSE(AI/ML),CSE(AI),AIML,CSD)	<u>Open Elective (OE II) :-</u> MEAN Stack Development R203205E (Common to CSE,CSE(AI/ML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI/ML,CSD) Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) <u>Computer Networks R203205K</u> → F&ECE (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
CIRCULAR

Date: 18-10-2022

II Mid Examinations for IV - B.Tech I Sem (R19) students are scheduled from Tuesday, 31st OCT 2022. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from : **2.30 P.M. to 4.00 P.M**

The **Online Exam** will be conducted from : **10.00 A.M to 01.00 P.M**

***** Note: The faculty according to timetable has to act as Invigilator for online exam**

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EXAM SECTION I/C

18/10/2022
PRINCIPAL

COPY TO HOD'S:

CE : *Ramany 18/10/22*
EEE : *B. Chandra*
ME : *P. V. Anil*
ECE : *Qis*
CSE : *J.V. Anil*

ON-LINE IN-CHARGE :

J.V. Anil



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - I SEMESTER (R19) II MID & ONLINE QUIZ EXAMINATIONS, OCTOBER/NOVEMBER - 2022

TIME TABLE

TIME : 10.00 AM TO 12.00 NOON

Branch	31-10-2022 (Monday)	01-11-2022 (Tuesday)	02-11-2022 (Wednesday)	03-11-2022 (Thursday)	04-11-2022 (Friday)	05-11-2022 (Saturday)
Civil Engineering (01)	Design & Drawing of Steel Structures (R1941011)	Geotechnical Engineering - II (R1941012)	Remote Sensing & GIS (R1941013)	Elective-III : Bridge Engineering (R194101A)/ Industrial Waste Water Treatment (R194101B)/ Earth Rock-fill Dams (R194101C)/ Intelligent Transportation Systems (R194101D)/ <u>Building Services (R194101E)</u>	.....	Open Elective-III : Disaster Management (R194101F)/ Environmental Pollution & Control (R194101G)/ Elements of Civil Engineering (R194101H)/ <u>Green Technology (R194101I)/ Smart Cities (R194101J)/ Project Management (R194101K)/ Traffic Safety (R194101L)/ Geo-Spatial Technologies (R194101M)/ Waste Water Treatment (R194101N)</u>
Electrical & Electronics Engineering (02)	Switchgear & Protection (R1941021)	OOPs through JAVA (R1941022)	Renewable Energy Systems (R1941023)	Elective-II : <u>Utilization of Electrical Energy (R194102A)/ Data Base Management System (R194102B)/ Advanced Control Systems (R194102C)/ Electrical Machine Design (R194102D)/ Hybrid Electric Vehicles (R194102E)</u>	Elective-III : Operating Systems (R194102G)/ Neural Networks & Fuzzy Logic (R194102H)/ High Voltage Engineering (R194102I)/ Energy Auditing and Demand Side Management (R194102J)/ Data Analytics with Python (R194102K)	Open Elective - II :- Measurements & Instrumentation (Except for EEE)(R194102M)/ Fundamentals of Utilization of Electrical Energy (Except for EEE) (R194102N)/ Concepts of Power System Engineering (Except for EEE) (R194102O)/ Basics of Control Systems (Except for EEE) (R194102P)/ Energy Audit (Except for EEE) (R194102Q)/ <u>Fundamental of Electrical Machines (Except for EEE)</u>
Mechanical Engineering (03)	Industrial Management (R1941031)	Elective - III :- Mechanical Vibrations (R194103A)/ Renewable Energy Sources (R194103B)/ <u>Production Planning & Control (R194103C)/ Machine Tool Design (R194103D)</u>	.....	Finite Element Methods (Common to ME & AME) (R1941032)	Elective-IV : Industrial Automation and Robotics (R194103F)/ Micro and Nano Manufacturing (R194103G)/ <u>Power Plant Engineering (R194103H)/ Optimization Techniques (R194103I)</u>	Open Elective-II : MEMS (R194103K)/ <u>Optimization Methods (R194103L)/ Operations Management (R194103M)/ Nano Technology (R194103N)/ Finite Element Analysis (R194103O)</u>



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - I SEMESTER (R19) II MID & ONLINE QUIZ EXAMINATIONS, OCTOBER/NOVEMBER - 2022

TIME TABLE

TIME : 10.00 AM TO 12.00 NOON

Branch	31-10-2022 (Monday)	01-11-2022 (Tuesday)	02-11-2022 (Wednesday)	03-11-2022 (Thursday)	04-11-2022 (Friday)	05-11-2022 (Saturday)
Electronics & Communication Engineering (04)	Microwave and Optical Communication Engineering (R1941041)	Data Communications & Computer Networks (R1941042)	Digital Image and Video Processing (R1941043)	Elective-III : <u>Communication Standards and Protocols (R194104A)/ Analog IC Design (R194104B) / SmartSensors (R194104C) / Advanced Digital Signal Processing (R194104D)/ Augmented Reality (R194104E)</u>	Elective-IV: Software Radio (R194104F)/ Low Power VLSI Design (R194104G)/ <u>Embedded Systems (R194104H)/ DSP Processors and Architectures (R194104I)/ Multi Media Communication (R194104J)</u>	Open Elective : Embedded Systems (Except for ECE) (R194104K) FOV CSE.
Computer Science & Engineering (05)	Cryptography and Network Security (Common to CSE & IT) (R1941051)	Machine Learning (Common to CSE & IT) (R1941053)	UML & Design Patterns (R1941052)	Elective-III : Mobile Computing (R194105A)/ Data Science (R194105B)/ NoSQL Databases (R194105C)/ Internet of Things (R194105D)/ <u>Software Project Management (R194105E)</u>	Elective-IV: Web Services (R194105F)/ <u>Cloud Computing (Common to CSE & IT) (R194105G) / Mean Stack Technologies (R194105H)/ Ad-hoc and Sensor Networks (Common to CSE & IT) (R194105I)/ Cyber Security & Forensics (R194105J)</u>	Open Elective : Problem Solving using Python (Common to CSE & IT) (Except CSE & IT) (R194105K)/ Web Technologies (Common to CSE & IT) (Except CSE & IT) (R194105L)/ Machine Learning (Common to CSE & IT) (Except CSE & IT) (R194105M)/ Distributed Computing (Common to CSE & IT) (Except CSE & IT) (R194105N)/ AI Tools & Techniques (Common to CSE & IT) (Except CSE & IT) (R194105O)/ Data Science (Except CSE & IT) (R194105P)
Information Technology (12)	Cryptography and Network Security (Common to CSE & IT) (R1941051)	Machine Learning (Common to CSE & IT) (R1941053)	Advanced Computer Networks (R1941121)	Elective IV: Distributed Systems (R194112D)/ DevOps (R194112E) / Internet of Things (R194112F) / Data Science (R194112G)/ Biometrics (R194112H)	Elective III: Big Data Analytics (R194112A)/ Social Networking (R194112B)/ Ad-hoc and Sensor Networks (Common to CSE & IT) (R194105I)/ Cloud Computing (Common to CSE & IT) (R194105G)/ Design Patterns (R194112C)	Open Elective : Problem Solving using Python (Common to CSE & IT) (Except CSE & IT) (R194105K)/ Web Technologies (Common to CSE & IT) (Except CSE & IT) (R194105L)/ Machine Learning (Common to CSE & IT) (Except CSE & IT) (R194105M)/ Distributed Computing (Common to CSE & IT) (R194105N)/ AI Tools & Techniques (Common to CSE & IT) (Except CSE & IT) (R194105O) / Data Science (Except CSE & IT) (R194112I)

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
CIRCULAR

Date: 09-12-2022

I Mid Examinations for I - B.Tech I Sem (R20) students are scheduled from Monday, 12th DEC 2022. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from: **02.30 P.M. to 04.00 P.M**

The **Online Exam** will be conducted from : **10.00 AM to 01.00 P.M**

*****Note: The faculty according to timetable has to act as Invigilator for online exam**

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EXAM SECTION I/C

[Signature]
PRINCIPAL

COPY TO HOD'S:

ME :

ECE :

CSE :

S&H :

ON-LINE IN-CHARGE :

[Signature]



I B. TECH I SEMESTER (R20)
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
 UNIVERSITY EXAMINATION CENTER, KAKINADA

I B. TECH I SEMESTER (R20 REGULATION) MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2022

TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

Branch	12-12-2022 (Monday)	13-12-2022 (Tuesday)	14-12-2022 (Wednesday)	15-12-2022 (Thursday)	16-12-2022 (Friday)	17-12-2022 (Saturday)
Subjects	Communicative English R201102	Mathematics-I R201101	Programming for Problem Solving Using CR2011110 (Except CE) Engineering Geology R201105 (Only for CE)	Engineering Drawing R201104 (Comm to CE, ME, ECE, PE, EIE, FE) Engineering Drawing & Design R201111 (Only for EEE)	Applied Physics R201117 (Comm to CSE, CSE-CS&T, IT, CSE-CS, CSE-IOT&CS incl BCT, CSE-CS&BS, CSE-IOT) Engineering Mechanics R201124 (Com. to AME, Mine)	Mathematics-II R201109 (Only for EEE) Engineering Physics R201103 (Comm to CE, ME, Agri E, Phar. E) Engineering Chemistry R201123 (Com. to AME, Min E, PE) Applied Chemistry R201115 (Comm to ECE, EIE, ECT, CSE- AI&ML, CSE-AI, CSE-DS, CSE- AI&DS, AIDS, CSD)
				Principles of Soil Science and Agronomy R201127 (Only for Agri E) Design Drawing and Visualization R201135 (Only for CSD)	Fundamental Chemistry R201130 (Only for FE) Engineering Chemistry R201134 (Only for Phar. E)	

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

Abdul A. Kalyan

DATE: 28-11-2022

Controller of Examinations

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
REVISED CIRCULAR

Date: 04-11-2022

I Mid Examinations for II - B.Tech I Sem (R20) students are **rescheduled** from Monday, 07th NOV 2022. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from: **02.30 P.M. to 04.00 P.M**







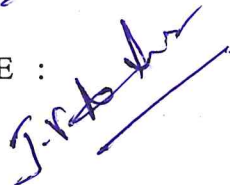
The **Online Exam** will be conducted from : **10.20 A.M to 02.00 P.M**

*****Note: The faculty according to timetable has to act as Invigilator for online exam*****


EXAM SECTION I/C


PRINCIPAL

COPY TO HOD'S:

CE : 
EEE : 
ME : 
ECE : 
CSE : 
AI&ML : 
ON-LINE IN-CHARGE : 



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B. TECH I SEMESTER (R20)

II B. TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER - 2022

REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE						
	07-11-2022 (Monday)	08-11-2022 (Tuesday)	09-11-2022 (Wednesday)	10-11-2022 (Thursday)	11-11-2022 (Friday)		
CIVIL ENGINEERING (01-CE)	Mathematics -III R2021011 (Except BEE,FE)	Strength of Materials-I R2021012	Fluid Mechanics R2021013	Surveying and Geometrics R2021014	Highway Engineering R2021015		
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Mathematics - IV R2021021	Electronic Devices and Circuits R2021022	Electrical Circuit Analysis -II R2021023	DC Machines and Transformers R2021024	Electro Magnetic Fields R2021025		
MECHANICAL ENGINEERING (03-ME)	Mathematics -III R2021011 (Except BEE,FE)	Mechanics of Solids R2021031 (Common to ME,AME)	Production Technology R2021033	Fluid Mechanics & Hydraulic Machines R2021032 (Common to ME,AME)	Kinematics of Machinery R2021034		
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Mathematics -III R2021011 (Except BEE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,EET)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,EET)	Signals and Systems R2021043 (Common to ECE,EIE,EET)	Random Variables and Stochastic Processes R2021044 (Common to ECE,EET)		
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Mathematics -III R2021011 (Except BEE,FE)	Mathematical Foundations of Computer Science R2021054 (Common to CSE, CST, CSE (AIML), AID, CSE(AID), CSE (CS), IOTCSBT, CSBS, IOT, AID, CS, AIML, IOT, CSD)	Object Oriented Programming through C++ R2021051 (Common to CSE,IT)	Operating Systems R2021052 (Common to CSE, CST, IT, CS, IOTCSBT, IOT, CS)	Software Engineering R2021053		
COMPUTER SCIENCE & TECHNOLOGY (06)	Mathematics -III R2021011 (Except BEE,FE)	Mathematical Foundations of Computer Science R2021054 (Common to CSE, CST, CSE(AIML), AID, CSE(AID), CSE(CS), IOTCSBT, CSBS, IOT, AID, CS, AIML, IOT, CSD)	Data Structures R2021061 (Common to CST, CSE (CS), CS, OITCSBT, CSBS, IOT, CS, IOT)	Operating Systems R2021052 (Common to CSE, CST, IT, CS, IOTCSBT, IOT)	Java Programming R2021062 (Common to CST, CSE(CS), OITCSBT, IOT, CS, IOT)		

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
REVISED CIRCULAR

Date: 30-12-2022

II Mid Examinations for II - B.Tech I Sem (R20) students are **rescheduled** from Monday, 02nd JAN 2023. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers (**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from: **09.45 A.M. to 11.15 A.M**

The **Online Exam** will be conducted from : **11.30 A.M to 01.00 P.M**

***** Note: The faculty according to timetable has to act as Invigilator for online exam*****


EXAM SECTION I/C


PRINCIPAL


COPY TO HOD'S:


CE : 

EEE : 

ME : 

ECE : 

CSE : 

AI&ML : 

ON-LINE IN-CHARGE : 



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B. TECH I SEMESTER (R20)

II B. TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, JANUARY - 2023

REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	02-01-2023 (Monday)	03-01-2023 (Tuesday)	04-01-2023 (Wednesday)	05-01-2023 (Thursday)	06-01-2023 (Friday)
CIVIL ENGINEERING (01-CE)	Mathematics -III R2021011 (Except EEE,FE)	Strength of Materials-I R2021012	Fluid Mechanics R2021013	Surveying and Geometrics R2021014	Highway Engineering R2021015
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEER)	Mathematics - IV R2021021	Electronic Devices and Circuits R2021022	Electrical Circuit Analysis -II R2021023	DC Machines and Transformers R2021024	Electro Magnetic Fields R2021025
MECHANICAL ENGINEERING (03-ME)	Mathematics -III R2021011 (Except EEE,FE)	Mechanics of Solids R2021031 (Common to ME,AME)	Production Technology R2021033	Fluid Mechanics & Hydraulic Machines R2021032 (Common to ME, AME)	Kinematics of Machinery R2021034
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Mathematics -III R2021011 (Except EEE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT)	Signals and Systems R2021043 (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes R2021044 (Common to ECE,ECT)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Common to CSE, CST, CSE (AML), AIDS, CSE(AIDS), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Object Oriented Programming through C++ R2021051 (Common to CSE,IT)	Operating Systems R2021052 (Common to CSE, CST, IT, CS, IOTCSBT, IOT, CS)	Software Engineering R2021053
COMPUTER SCIENCE & TECHNOLOGY (06)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Common to CSE, CST, CSE (AML), AIDS, CSE(AIDS), CSE (CS), IOTCSBT, CSBS, IOT, AIDS, CS, AIML, IOT, CSD)	Data Structures R2021061 (Common to CST, CSE (CS), CS, OITCSBT, CSBS, IOT, CS, IOT)	Operating Systems R2021052 (Common to CSE, CST, IT, CSE (CS), IOTCSBT, IOT)	Java Programming R2021062 (Common to CST, CSE (CS), OITCSBT, IOT, CS, IOT)

KRISHNACHAITANYA INSTITUTE OF TECHNOLOGY & SCIENCES:: MARKAPUR
CIRCULAR

Date: 18-11-2022

II Mid Examinations for III - B.Tech I SEM (R20) students are scheduled from Monday, 28th NOV 2022. The Time Tables for Online Objective Test and Subjective Tests are sent for circulation.

The subject teachers are requested to prepare the **TWO SETS** of question papers(**Including CO's in Question paper**) for the subjective tests and submit the soft copy to the exam Section two days before the schedule of examination.

The Subjective Exam will be conducted from : **02.30 P.M. to 04.00 P.M**

The **Online Exam** will be conducted from : **11.00 A.M to 02.00 P.M**

*****Note: The faculty according to timetable has to act as Invigilator for online exam**

EXAM SECTION I/C

PRINCIPAL

COPY TO HOD'S:

CE :

ME :

ECE :

CSE :

ON-LINE IN-CHARGE :



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	28.11.2022 (Monday)	29.11.2022 (Tuesday)	30.11.2022 (Wednesday)	01.12.2022 (Thursday)	02.12.2022 (Friday)	03.12.2022 (Saturday)
CIVIL ENGINEERING (01 CE)	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	Professional Elective (PE) :-	Open Elective (OE I) :-
				Construction Technology & Management R203101A	Strength of Materials R203101E	
				Remote Sensing and GIS R203101B	Fluid Mechanics R203101F	
				Environmental Impact Assessment R203101C	Surveying and Geomatics R203101G	
				Low-Cost Housing R203101D	Highway Engineering R203101H	
					Safety Engineering R203101I	
	Environmental Management R203101J					
				Urban Planning R203101K		
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Power Systems-II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	Professional Elective (PE) :-	Open Elective (OE I) :-
				Linear Ic Applications R203102A	Renewable Energy Sources R203102F	
				Utilization Of Electrical Energy R203102B	Concepts Of Optimization Techniques R203102G	
				Computer Architecture And Organization R203102C	Concepts of Control Systems R203102H	
				Optimization Techniques R203102D		
				Object Oriented Programming Through Java R203102E		
				Optimization Techniques R203102D		
Object Oriented Programming Through Java R203102E						
MECHANICAL ENGINEERING (03 ME)	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	Professional Elective (PE) :-	Open Elective (OE I) :-
				Finite Element Methods R203103A	Sustainable Energy Technologies R203103G	
				Industrial Robotics R203103B	Operations Research R203103H	
				Advanced Materials R203103C	Nano Technology R203103I	
				Renewable Energy Sources R203103D	Thermal Management of Electronic systems R203103J	
				Mechanics of Composites R203103E		
MOOCs (NPTEL/Swayam) R203103F						
				Professional Elective (PE) :-	Open Elective (OE I) :-	
				Antenna Propagation	Basics of Signals and Systems R203104D	

→ CEE, CSE



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER/DECEMBER - 2022

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ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE)	Analog ICs and Applications (R2031041)	Electromagnetic Waves and Transmission Lines (R2031042)	Digital Communications (R2031043)	R203104A	Electronic Measurements and Instrum. R203104E
				Electronic Measurements & Instrumentation R203104B	Principles of Signal Processing R203104F	
				Computer Architecture & Organization R203104C	Industrial Electronics R203104G	
					Consumer Electronics R203104H	
					Fundamentals of Microprocessors and Microcontrollers R203104I	
					Transducers and Sensors R203104J	
					IOT and Applications R203104K	
					Soft Computing Techniques R203104L	
					IC Applications R203104M	
					Principles of Communications R203104N	
					Basic Electronics R203104O	
					Data Communications R203104P	
					Digital Logic Design R203104Q	
					Remote Sensing and GIS R203104R	
	Bio Medical Instrumentation R203104S					
	Introduction to Microprocessor and Microcontrollers R203114G					
COMPUTER SCIENCE & ENGINEERING (05 CSE)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Warehousing and Data Mining (R2031053)	Professional Elective (PE II) :-	Open Elective (OE I) :-
				Artificial Intelligence R203105A	Optimization in Operations Research R203105E	
				Software Project Management R203105B	Data Structures R203105F	
				Distributed Systems R203105C	Object Oriented Progra. through JAVA R203105G	
				Advanced Unix Programming R193205D	Data Base Management Systems R203105H	
					Computer Graphics R203105I	
					Advanced UNIX Programme R203105J	
	Computer Organization and Arch. R203105K					
	Operating Systems R203105L					
INFORMATION TECHNOLOGY (12 IT)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Mining Techniques (R2031121)	Professional Elective (PE II) :-	Open Elective (OE I) :-
				Artificial Intelligence R203105A	DevOps R203112B	
				Distributed Systems R203105C	Data Structures R203105F	
				Advanced Unix Programming R203105D	Object Oriented Progra. through JAVA R203105G	
				Agile Software Process R203112A	Data Base Management Systems R203105H	
					Computer Graphics R203105I	
					Advanced UNIX Programming R203105J	
	Computer Organization and Arch. R203105K					
	Operating Systems R203105L					
	Professional Elective (PE) :-	Open Elective (OE I) :-				

→ EEE

**EXTERNAL
EXAMINATION
TIMETABLES**



II B.TECH II SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
CIVIL ENGINEERING (01-CE)	Complex Variables and Statistical Methods R2022011 (Comm to CE,ME,AME,MM)	Strength of Materials -II R2022012	Hydraulics and Hydraulic Machinery R2022013	Environmental Engineering R2022014	Managerial Economics & Financial Analysis R2022015 (Comm to CE,EEE,EIE,ECT,AGE,FE)	Pre Stressed Concrete R202201A
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Python Programming R2022021 (Common to EEE, FE)	Digital Electronics R2022022	Power System-I R2022023	Induction and Synchronous Machines R2022024	Managerial Economics & Financial Analysis R2022015 (Comm to CE,EEE,EIE,ECT,AGE,FE)	Electrical Distribution Systems R202202A
MECHANICAL ENGINEERING (03-ME)	Complex Variables and Statistical Methods R2022011 (Comm to CE,ME,AME,MM)	Material Science & Metallurgy R2022031	Dynamics of Machinery R2022032	Thermal Engineering-I R2022033	Industrial Engineering and Management R2022034	Alternative Fuels Technologies R202203A
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Electronic Circuit Analysis R2022041 (Comm to ECE,EIE,ECT)	Digital IC Design R2022042	Analog Communications R2022043 (Common to ECE,ECT)	Linear Control Systems R2022044 (Common to ECE,EIE)	Management and Organizational Behavior R2022045 (Common to ECE, PE)	Electronic Devices and Basic Circuits R202204AT



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

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COMPUTER SCIENCE & ENGINEERING (05-CSE)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Java Programming R2022054 (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	Operating Systems R202205AT , Data Visualization R202205B , Principals of Cyber Security R202205C , Mathematics for Machine Learning R202205D
COMPUTER SCIENCE & TECHNOLOGY (06)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture R2022061 (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Electronic Circuit Analysis R2022041 (Comm to ECE,EIE,ECT)	Microprocessor and Microcontrollers R2022101	Integrated Circuits and applications R2022102	Linear Control Systems R2022044 (Common to ECE,EIE)	Managerial Economics & Financial Analysis R2022015 (Comm to CE,EEE,EIE,ECT,AGE,FE)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

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INFORMATION TECHNOLOGY (12-IT)	Statistics with R R2022121	Principles of Software Engineering R2022122	Automata Theory and Compiler Design R2022123	Java Programming R2022054 (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
ELECTRONICS & COMMUNICATION TECHNOLOGY (14)	Electronic Circuit Analysis R2022041 (Comm to ECE,EIE,ECT)	Computer Architecture and Organization R2022141	Analog Communications R2022043 (Common to ECE,ECT)	Electromagnetic Waves and Transmission Lines R2022142	Managerial Economics & Financial Analysis R2022015 (Comm to CE,EEE,EIE,ECT,AGE,FE)	.....
AUTO MOBILE ENGINEERING (24-AME)	Complex Variables and Statistical Methods R2022011 (Comm to CE,ME,AME,MM)	Applied Thermodynamics R2022241	Automobile Engines R2022242	Automobile Electrical and Electronics R2022243	Operations Research R2022244	.....
MINING ENGINEERING (26-MM)	Complex Variables and Statistical Methods R2022011 (Comm to CE,ME,AME,MM)	Fluid Mechanics and Hydraulic Power R2022261	Rock Mechanics R2022262	Mine Ventilation R2022263	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)	Mathematics –IV R2022271	Instrumentation, Process Dynamics & Control R2022272	Thermodynamics for Petroleum Engineers R2022273	Drilling & Well Completions R2022274	Management and Organizational Behavior R2022045 (Common to ECE, PE)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

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AGRICULTURAL ENGINEERING (35-AGE)	Heat and Mass Transfer R2022351	Ground Water Hydrology, Well and Pumps R2022352	Theory of Structures R2022353	Soil Mechanics R2022354	Managerial Economics & Financial Analysis R2022015 (Comm to CE,EEE,EIE,ECT,AGE,FE)
CSE (Artificial Intelligence and Machine Learning) (42)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Computer Organization R2022421 (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Data Warehousing and Mining R2022422 (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)	.....
CSE (Artificial Intelligence) (43)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Computer Organization R2022421 (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Data Warehousing and Mining R2022422 (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

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CSE (Data Science) (44)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS) CSE(AIDS),CSE(CS),CSE(IOTCSIBCT) ,CSE(CSBS),CSE(IOT),AIDS,IoT,AIML, CSD)	Computer Organization R2022421 (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(D S),CSE(AIDS),CSE(CS),CSE(IOTCSIB CT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining R2022422 (Comm to CSE(AIML),AI,DS,CSE(AIDS , AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI ,CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)
CSE (Artificial Intelligence and Data Science) (45)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS) CSE(AIDS),CSE(CS),CSE(IOTCSIBCT) ,CSE(CSBS),CSE(IOT),AIDS,IoT,AIML, CSD)	Computer Organization R2022421 (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(D S),CSE(AIDS),CSE(CS),CSE(IOTCSIB CT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining R2022422 (Comm to CSE(AIML),AI,DS,CSE(AIDS , AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI ,CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)	.....
CSE (Cyber Security) (46)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS) CSE(AIDS),CSE(CS),CSE(IOTCSIBCT) ,CSE(CSBS),CSE(IOT),AIDS,IoT,AIML, CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIB T),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(D S),CSE(AIDS),CSE(CS),CSE(IOTCSIB CT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture R2022061 (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI ,CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

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CSE (Internet of things and Cyber security including Block chain Technology) (47)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,AIML)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture R2022061 (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
CSE (Computer Science and Business System) (48)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Operating Systems R2022481 (Common to CSE(CSBS), CS)	Java Programming R2022054 (Common to CSE,IT,CSE(CSBS),CS)	Fundamentals of Economics R2022482	.....
CSE (Internet of Things) (49)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture R2022061 (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
FOOD ENGINEERING (51)	Python Programming R2022021 (Common to EEE, FE)	Principles of Food Engineering - II R2022511	Food Chemistry R2022512	Processing of Cereals, Pulses and Oilseeds R2022513	Managerial Economics & Financial Analysis R2022015 (Common to CE,EEE,EIE,ECT,AGE,FE)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

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ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization R2022421 (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining R2022422 (Common to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
PHARMACEUTICAL ENGINEERING (55)	Heat Transfer for Pharmaceutical Engineers R2022551	Physical Pharmaceutics R2022552	Principles of Microbiology and Biochemistry R2022553	Reaction Engineering for Pharmaceutical Engineers R2022554	Anatomy and Physiology R2022555	.....
CYBER SECURITY (59)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture R2022061 (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
INTERNET OF THINGS (60)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems R2022052 (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture R2022061 (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....



II B.TECH II SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AI ML)CSE(AI),CSE(DS)CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Computer Organization R2022421 (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Formal Languages and Automata Theory R2022053 (Common to CSE,CST,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Data Warehousing and Mining R2022422 (Comm to CSE(AI ML),AI,DS,CSE(AIDS),AIDS,IOTAI ML,CSD)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)	.....
COMPUTER SCIENCE AND DESIGN (62)	Probability and Statistics R2022051 (Common to CSE,CST,CSE(AI ML)CSE(AI),CSE(DS)CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Computer Organization R2022421 (Common to CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Visual Design and Communication R2022621	Data Warehousing and Mining R2022422 (Comm to CSE(AI ML),AI,DS,CSE(AIDS),AIDS,IOTAI ML,CSD)	Managerial Economics and Financial Accountancy R2022055 (Common to CSE,CST,IT,MM,CSE(AI ML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)

NOTE:

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- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 16-06-2023

H. R. K. K.
Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B TECH - II SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE				
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)
CIVIL ENGINEERING (01-CE)	Design and Drawing of Steel Structures (R1632011)	Geotechnical Engineering – I (R1632012)	Environmental Engineering – I (R1632013)	Water Resources Engineering–I (R1632014)	<u>OPEN ELECTIVE:-</u>
					Electronic Instrumentation
					Data Base Management Systems
					Alternative Energy Sources for Automobiles
					Waste water Management
					Fundamentals of Liquefied Natural Gas
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Power Electronic Controllers & Drives (R1632021)	Power System Analysis (R1632022)	Micro Processors and Micro controllers (R1632023)	Data Structures (R1632024)	<u>OPEN ELECTIVE:-</u>
					Unix and Shell Programming
					OOPS Through JAVA
					VLSI Design
					Robotics
					Neural Networks & Fuzzy Logic
MECHANICAL ENGINEERING (03-ME)	Metrology (R1632031)	Instrumentation & Control Systems (R1632032)	Refrigeration & Air-conditioning (R1632033)	Heat Transfer - (R1632034)	<u>OPEN ELECTIVE:-</u>
					Entrepreneurship
					Data Base Management System
					Waste Water Management
					Computer Graphics
					Industrial Robotics
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Micro Processors & Micro Controllers (R1632041) (Common to ECE, EIE, E.COM.E)	Micro Wave Engineering (R1632042)	VLSI Design (R1632043) (Common to EEE- elective, ECE, EIE, E.COM.E)	Digital Signal Processing (R1632044)	<u>OPEN ELECTIVE:-</u>
					OOPs through Java
					Data Mining
					Industrial Robotics
					Power Electronics
					Bio-Medical Engineering
Artificial Neural Networks					



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B TECH - II SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE				
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Computer Networks (Common to CSE, IT) (R1632051)	Data Warehousing and Mining (Common to CSE,IT) (R1632052)	Design and Analysis of Algorithms (R1632053)	Software Testing Methodologies (Common to CSE. IT) (R1632054)	OPEN ELECTIVE:-
					Artificial Intelligence
					Internet of Things
					Cyber Security
					Digital Signal Processing
					Embedded Systems
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Micro Processors & Micro Controllers (R1632041) (Common to ECE, EIE, E.COM.E)	Measuring Instruments (R1632102)	VLSI Design (Common to EEE- elective, ECE, EIE, E.COM.E) (R1632043)	Analytical Instrumentation (R1632101)	OPEN ELECTIVE:-
					OOPs through Java
					Data Mining
					Power Electronics
					Bio-Medical Engineering
					Artificial Neural Networks
INFORMATION TECHNOLOGY (12-IT)	Computer Networks (Common to CSE, IT)(R1632051)	Data Mining (R1632121)	Web Technologies (R1632122)	Software Testing Methodologies (Common to CSE. IT) (R1632054)	OPEN ELECTIVE:-
					Artificial Intelligence
					Social Networks and Semantic Web
					Digital Signal Processing
					Embedded Systems
					Robotics
Operations Research					



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B TECH - II SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE				
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)
ELECTRONICS AND COMPUTER ENGINEERING (19-ECC)	Micro Processors & Micro Controllers (R1632041) (Common to ECE, EIE, E.COM.E)	Operating System (R1632192)	VLSI Design (Common to ECE, EIE, E.COM.E) (R1632043)	Data Base Management Systems (R1632191)	OPEN ELECTIVE:-
					Data Mining
					Industrial Robotics
					Bio-Medical Engineering
					Artificial Neural Networks
AERONUTICAL ENGINEERIG (21-AE)	Aircraft stability and control (R1632211)	Aircraft Structures –II (R1632212)	Propulsion – II (R1632213)	Finite Element Method (R1632214)	OPEN ELECTIVE:-
					Data Base Management System
					Waste Water Management
					Entrepreneurship
					Satellite Technology
					Industrial Aerodynamics
AUTO MOBILE ENGINEERING (24-AME)	Machine Tools & Metrology (R1632241)	Instrumentation & Control Systems (R1632242)	Automotive Electrical and Electronics (R1632243)	Alternative Energy Sources for Automobiles (R1632244)	OPEN ELECTIVE:-
					Electronic Instrumentation
					Data Base Management Systems
					Computer Graphics
					Green Engineering Systems
					Offroad Vechiles
					Automotive Emissions and Pollution Control
MINING ENGINEERING (26-MM)	Mine Systems Engineering (R1632261)	Mineral Engineering and Fuel Technology (R1632262)	Mine Environmental Engineering (R1632263)	Mining Machinery & Mechanization – II (R1632264)	OPEN ELECTIVE:-
					Industrial Robotics
					Entrepreneurship
					Quality and Reliability Engineering
					Waste Water Management
					Rock Excavation Engineering
					Mine Safety Engineering

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B TECH - II SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023**TIME TABLE****TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY AND DATE				
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)
PETROLEUM ENGINEERING/PET ROLEUM TECHNOLOGY (27-PE)	Well Completions, Testing & Servicing - (R1632271)	Petroleum Production Engineering (R1632272)	Petroleum Reservoir Engineering-I (R1632273)	Petroleum Refinery & Petrochemical Engineering (R1632274)	OPEN ELECTIVE:-
					Electronic Instrumentation
					Big Data Analytics
					Alternative Energy Sources for Automobiles
					Waste Water Management
					Fundamentals of Liquefied Natural Gas
AGRICULTURAL ENGINEERING (35-AGE)	Irrigation and Drainage Engineering (R1632351)	Farm Machinery and Equipment – I (R1632352)	Design of Soil, Water Conservation and Farm Structures (R1632353)	Dairy and Food Engineering (R1632354)	OPEN ELECTIVE:-
					Operations Research
					Digital Control systems
					Robotics & Automation
					Industrial Pollution Control Engineering
					Finite Element Method
Water Resources System Planning and Management					

NOTE:

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H. R. K. K.
Controller of Examinations

DATE: 15-06-2023



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
CIVIL ENGINEERING (01 CE)	Design & Drawing of Reinforced Concrete Structures (R1932011)	Water Resources Engineering – II (R1932012)	Geotechnical Engineering - I (R1932013)	Managerial Economics & Financial Analysis (R1932014)	Program Elective – II :-	Open Elective – II (Choose any One
					i) Pre-stressed Concrete (R193201A)	i) Disaster Management (R193201F)
					ii) Watershed Management (R193201B)	ii) Environmental Pollution & Control (R193201G)
					iii) Advanced Foundation Engineering (R193201C)	iii) Elements of Civil Engineering (R193201H)
					iv) Urban Transportation Planning (R193201D)	iv) Green Technology (R193201I)
					v) Architecture Town Planning (R193201E)	v) Smart Cities (R193201J)
						vi) Project Management (R193201K)
						vii) Traffic Safety (R193201L)
						viii) Geo-Spatial Technologies (R193201M)
ix) Wastewater Treatment (R193201N)						
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Electric Drives (R1932021)	Power System Analysis (R1932022)	Data Structures (R1932023)	Digital Control Systems (R1932024)	Elective – I :-	Open Elective – I
					i) Digital IC Applications (R193202A)	i) Renewable Energy Sources (R193202G) (Except EEE)
					ii) Communication Systems (R193202B)	ii) Essentials of Analog and Digital Electronics (R193202H) (Except EEE)
					iii) Computer Networks (R193202C)	iii) Electrical Estimation and Costing (R193202I) (Except EEE)
					iv) Internet of Things Applications To Electrical Engineering (R193202D)	iv) Power Electronics Devices & Circuits (R193202J) (Except EEE)
					v) VLSI Design (R193202E)	v) Fundamentals of Electrical Machines (R193202K) (Except EEE)
					vi) Cloud Computing (R193202F)	



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
MECHANICAL ENGINEERING (03 ME)	Operations Research (R1932031)	Heat Transfer (R1932032) (Common to ME,AME)	CAD/CAM (R1932033)	.....	Elective – I :-	Elective – II
					i) Composite Materials (R193203A)	i) Material Characterization (R193203F)
					ii) Refrigeration & Air Conditioning (R193203B)	ii) Tribology (R193203G)
					iii) Unconventional Machining Processes (R193203C)	iii) Automobile Engineering (R193203H)
					iv) Advanced Mechanics of Solids (R193203D)	iv) Mechatronics (R193203I)
v) MOOCS(NPTEL/Swayam) (R193203E)	v) MOOCS(NPTEL/Swayam) (R193203J)					
ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE)	Wired and Wireless Transmission Devices (R1932041)	VLSI Design (R1932042)	Digital Signal Processing (R1932043)	Internet of Things (R1932044)	Professional Elective (PE II) :-	Open Elective (OE1)
					i) Cellular & Mobile Communication (R193204A)	i) Data Mining (R193204F)
					ii) Digital IC Design (R193204B)	ii) Power Electronics (R193204G)
					iii) Business Intelligence & Analytics (R193204C)	iii) MEMS and its Applications (R193204H)
					iv) Pattern Recognition(R193204D)	iv) Artificial Neural Networks(R193204I)
v) Robotics and Automation (R193204E)	iv) Principles of Communication (R193204J) (Except ECE)					
COMPUTER SCIENCE & ENGINEERING (05 CSE)	Web Technologies (R1932051) (Common to CSE,IT)	Distributed Systems (R1932052)	Design and Analysis of Algorithms (R1932053)	Managerial Economics and Financial Accountancy (R1932054) (Common to CSE,IT)	Professional Elective (PE II) :-	Open Elective (OE I) :-
					i) Mobile Application Development (R193205A)	i) Data Structures (R193205E) (Except CSE and IT)
					ii) Information Retrieval System (R193205B)	ii) Java Programming (R193205F) (Except CSE and IT)
					iii) Social Networks Analysis (R193205C)	iii) Database Management Systems (R193205G) (Except CSE and IT)
					iv) MOOCS (NPTEL/SWAYAM) (R193205D)	iv) C++ Programming (R193205H) (Except CSE and IT)
						v) Operating Systems (R193205I) (Except CSE and IT)
	vi) Internet of Things (R193205J) (Except CSE and IT)					



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

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BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
INFORMATION TECHNOLOGY (12 IT)	Web Technologies (R1932051) (Common to CSE,IT)	Data Warehousing and Data Mining (R1932121)	.....	Managerial Economics and Financial Accountancy (R1932054) (Common to CSE,IT)	Professional Elective (PE II) :-	Open Elective (OE I) :-
					i) Web Security (R193212A)	i) Data Structures (R193205E) (Except CSE and IT)
					ii) Software Project Management (R193212B)	ii) Java Programming (R193205F) (Except CSE and IT)
					iii) Natural Language Processing (R193212C)	iii) Database Management Systems (R193205G) (Except CSE and IT)
					iv) MOOCS (NPTEL/SWAYAM)(R193212D)	iv) C++ Programming (R193212E) (Except CSE and IT)
						v) Operating Systems (R193212F) (Except CSE and IT)
	vi) Internet of Things (R193212G) (Except CSE and IT)					
AUTO MOBILE ENGINEERING (24 AME)	Electrical Vehicles & Hybrid Technology (R1932241)	Heat Transfer (R1932032) (Common to ME,AME)	Automotive Chassis Design (R1932242)	Automotive Pollution and Control (R1932243)	.....	OPEN ELECTIVE(offered to other
						i) Basic Automobile Engineering (R193224A)
						ii) Automotive Maintenance and Safety (R193224B)
						iii) Automotive Emissions and Effects (R193224C)
MINING ENGINEERING (26 MM)	Mine Ground Control (R1932261)	Mineral processing (R1932262)	Under Ground Metal Mining Technology (R1932263)	Mining Machinery & Mechanization-II (R1932264)	.....	Open Elective - II
						i) Industrial Robotics (R193226A)
						ii) Artificial Intelligence (R193226B)
						iii) Introduction to Data Base Management System (R193226C)
PETROLEUM ENGINEERING/ PETROLEUM TECHNOLOGY (27 PE)	Petroleum Production Engineering (R1932271)	Petroleum Reservoir Engineering-II (R1932272)	Petroleum Refinery & Petrochemical Engineering (R1932273)	.....	Professional Elective (PE II) :-	OPEN ELECTIVE – II
					i) Offshore Engineering (R193227A)	i) Basic concepts in Petroleum Drilling and Completions (R193227D)
					ii) Advanced Well Completion Engineering (R193227B)	ii) Basic concepts in Petroleum Production Engineering (R193227E)
					iii) Applied Mathematics in Reservoir Engineering (R193227C)	iii) Basic concepts in Petroleum Reservoir Engineering (R193227F)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
UNIVERSITY EXAMINATION CENTER, KAKINADA**III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023****TIME TABLE****TIME: 10.00 AM TO 01.00 PM**

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
AGRICULTURAL ENGINEERING (35 AGE)	Irrigation and Drainage Engineering (R1932351)	Engineering Properties of Biological Materials (R1932352)	Farm Machinery Equipment - II (R1932353)	Dairy and Food Engineering (R1932354)	Professional Elective - I	Open Elective - I
					i) Seed Processing and Storage Engineering (R193235A)	i) Operations Research (R193235D)
					ii) Greenhouse Technology (R193235B)	ii) Robotics and Automation (R193235E)
					iii) Tractor Design and Testing (R193235C)	iii) Finite Element Method (R193235F)

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DATE: 15-06-2023

H. R. K. K. K.
Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
CIVIL ENGINEERING (01 CE)	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	Professional Elective (PE- II) :- Advanced Structural Analysis R203201A Architecture and Town Planning R203201B Road Safety Engineering R203201C Traffic Engineering R203201D	Open Elective (OE II) :- Elements of Civil Engineering R203201E Environmental Engineering R203201F Disaster Management R203201G Water Resource Engineering R203201H Hydraulics and Hydraulic Machinery R203201I Green Technologies R203201J Remote Sensing and GIS R203201K (Common to CE,MM)	.....
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	Professional Elective (PE) :- Signal and Systems R203202A Electric Drives R203202B Advanced Control Systems R203202C Switchgear and Protection R203202D Big Data Analytics R203202E	Open Elective (OE II) :- Battery Management Systems and Charging Stations R203202F Fundamentals of utilization of Electrical Energy R203202G Indian Electricity Act R203202H	HVDC Transmission R203202I
MECHANICAL ENGINEERING (03 ME)	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	Professional Elective (PE) :- Automobile Engineering R203203A Smart Manufacturing R203203B Advanced Mechanics of Solids R203203C Statistical Quality Control R203203D Industrial Hydraulics and Pneumatics R203203E	Open Elective (OE II) :- Industrial Robotics R203203G Essentials of Mechanical Engineering R203203H Advanced Materials R203203I Introduction to Automobile Engineering R203203J	Advanced Computational Fluid Dynamics R203203K



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE)	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	Professional Elective (PE) :- Microwave Engineering R203204A Mobile & Cellular Communication R203204B Embedded Systems R203204C CMOS Analog IC Design R203204D	Open Elective (OE II) :- Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation R203204F Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers R203204J Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	Principles of Communication R203204U, IOT Architecture and It's Protocols R203249C
COMPUTER SCIENCE & ENGINEERING (05 CSE)	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	Professional Elective (PE) :- Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design R203205C Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,,AIML,CSD) Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	Computational Thinking R203205N, Operating Systems R203205Q, Database Management Systems R203205R, , Mining Massive Data Sets R203205O, Natural Language Processing R203205P



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
INFORMATION TECHNOLOGY (12 IT)	Machine Learning (R2032051) (Common to CSE,IT)	Big Data Analytics (R2032121) (Comm to IT,CSE(DS),CSE(AIDS),AIDS)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE II) :-</u> Mobile Computing R203205A (Common to CSE,IT) MEAN Stack Development R203212A Design Patterns R203212B Scripting Languages R203212C	<u>Open Elective (OE II) :-</u> Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H (Common to CSE,IT) Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....
AUTO MOBILE ENGINEERING (24 AME)	Automobile Components and Chassis Design (R2032241)	Automobile Transmission Systems (R2032242)	Vehicle Body Engineering (R2032243)	<u>Professional Elective (PE II) :-</u> CFD for Automobile Applications R203224A Condition Monitoring R203224B Noise Vibrations and Harshness R203224C Mechatronics R203224D Measurements and Control Systems R203224E	<u>Open Elective (OE II) :-</u> Alternative Fuels for Automobiles R203224G Vehicle Stability and Control R203224H Electric Vehicles and Hybrid Technology R203224I	.....
MINING ENGINEERING (26 MM)	Surface Mining (R2032261)	Mine Legislation and Safety (R2032262)	Underground Metal Mining (R2032263)	<u>Professional Elective (PE) :-</u> Computer Applications and Tools R203226A Mine Economics R203226B Mine Mechanization R203226C Mine Automation R203226D	<u>Open Elective (OE II) :-</u> Mineral Economics, Business and Trade R203226E Landslides & Slope Stability Engineering R203226F Remote Sensing and GIS R203201K Geostatistics R203226G	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
AGRICULTURAL ENGINEERING (35 AGE)	Soil and Water Conservation Engineering (R2032351)	Farm Machinery and Equipment - II (R2032352)	Agricultural Process Engineering (R2032353)	Professional Elective (PE) :- Food Packaging Technology R203235A Watershed Management R203235B Human Engineering and Safety R203235C	Open Elective (OE II) :- Principles of Soil Science and Agronomy R203235D Farm Power and Tractor Systems R203235E Soil and Water Conservation Engineering R203235F Ground Water Hydrology, Wells and Pumps R203235G, Surface Water Hydrology R203235H, Post Harvest Engineering of Cereals, Pulses and Oilseeds R203235I, Agricultural Process Engineering R203235J	.....
CSE (Artificial Intelligence and Machine Learning) (42)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Professional Elective (PE) :- Software Project Management R203242A (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Comm to CSE(AIML),CSE(AI),AIML, CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	Open Elective (OE I) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
CSE (Artificial Intelligence) (43)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	Professional Elective (PE) :- Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Common to CSE(AIML),CSE(AI),AIML, CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD) Expert Systems R203243A	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
CSE (Data Science) (44)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Professional Elective (PE) :- Deep Learning R203244A (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science R203244B (Comm to CSE(DS),CSE(AIDS),AIDS) ETL Principles R203244C	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
CSE (Artificial Intelligence and Data Science) (45)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Professional Elective (PE) :- Deep Learning R203244A (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science R203244B (Comm to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
CSE (Cyber Security) (46)	Machine Learning (R2032462) (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security (R2032461) (Comm to CSE(CS),IOTCSIBCT,CS)	Introduction to Cyber Security (R2032463) (Common to CSE(CS),IOTCSIBCT,CS)		Open Elective (OE II) :- Web Services R203246B (Comm to CSE(CS),IOTCSIBCT,CS)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
CSE (Internet of things and Cyber security including Block chain Technology) (47)	Block Chain Technologies (R2032471)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS),.AIDS)	Introduction to Cybersecurity (R2032463) (Common to CSE(CS),IOTCSIBCT, CS)		Open Elective (OE II) :- Web Services R203246B (Comm to CSE(CS)IOTCSIBCT,CS)	.....
CSE (Internet of Things) (49)	Machine Learning (R2032462) (Common to CSE(CS)CSE(IOT),CS)	Embedded System Design (R2032491)	Sensors and Actuator Devices for IoT (R2032492)		Open Elective (OE II) :- Social Network and Semantic Web Course R203249B	.....
FOOD ENGINEERING (51)	Mass Transfer in Food Processing (R2032511)	Processing of Milk, Meat and Marine Products (R2032512)	Food Packaging Technologies (R2032513)	Separation Techniques in Food Processing R203251A Thermal Operations in Food Processing R203251B Automation in Food Industry R203251C	Membrane Technology in Food Engineering R203251D Renewable Energy Systems R203251E TQM in Food Industry R203251F	.....
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS),.AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	Professional Elective (PE) :- Deep Learning R203244A (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science R203244B (Common to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
PHARMACEUTICAL ENGINEERING (55)	Pharmaceutical Engineering – II (R2032551)	Instrumental Methods of Analysis (R2032552)	Principles of Transducers and Measurements (R2032553)	Professional Elective (PE) :- Computer Aided Drug Design R203255A Pharmaceutical Regulatory Affairs R203255B Novel Drug Delivery Systems R203255C	Open Elective (OE II) :- Hospital Management and Information Systems R203255D Neural Networks and Fuzzy Logic R203255E Introduction to Database Management R203255F	Water Conservation Management (R2032554)
CYBER SECURITY (59)	Machine Learning (R2032462) (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Introduction to Cyber Security (R2032463) (Common to CSE(CS),IOTCSIBCT,CS)		Open Elective (OE II) :- Web Services R203246B (Common to CSE(CS),IOTCSIBCT,CS)	.....
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE{AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Professional Elective (PE) :- Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Common to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023
TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
COMPUTER SCIENCE AND DESIGN (62)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Computer Aided Design (R2032621)	Design and Analysis of Algorithms (R2031423) (Common to CSE(AIML),CSE(AI),CSE (DS),CSE(AIDS),AIDS,AI ML)	Professional Elective (PE) :- Deep Learning R203244A (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AID S,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AID S,AIML,CSD) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	Open Elective (OE II) :- MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,,AIML,CSD)	.....

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 15-06-2023

Controller of Examinations



I B.TECH II SEMESTER (R16)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

I B. TECH II SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY/AUGUST-2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

Branch	19-07-2023 (Wednesday)	21-07-2023 (Friday)	24-07-2023 (Monday)	26-07-2023 (Wednesday)	28-07-2023 (Friday)	01-08-2023 (Tuesday)
Subjects	ENGLISH-II (R161201) (Common to all branches)	MATHEMATICS-III (R161203) (Com to AE,AME,CE,CSE,IT,EIE,EEE,ME,ECE,Metal E, Min E, E Com E, Agri E, Chem E, PCE,PE)	APPLIED CHEMISTRY (R161211) (Com. to CSE, IT, EIE, ECE, ECom E) ELEMENTS OF MECHANICAL ENGINEERING (R161205) (Com. to Chem E,PCE,PE) ELEMENTS OF MECHANICAL ENGINEERING (R161232) (Only CE) COMPUTER PROGRAMMING (R161231) (Only Agri E) ELECTRICAL CIRCUITS ANALYSIS-I (R161208) (Only EEE) PROCESS ENGINEERING PRINCIPLES (R161218) (Only Bio-Tech) BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (R161209) (Com. to AE,AME,ME,Metal E,Min E)	MATHEMATICS – II (R161202) (Mathematical Methods) (Com to AE,AME,Bio-Tech,Chem E,CE,EEE,ME,Metal E, Min E,PCE,PE) PRINCIPLES OF SOIL SCIENCE & AGRONOMY (R161220) (Only Agri E) ELECTICAL AND MECHANICAL TECHNOLOGY (R161214) (Com. to EIE,ECE, E Com E) OBJECT ORIENTED PROGRAMMING THROUGH C++ (R161215) (Com. to CSE,IT)	APPLIED PHYSICS (R161207) (Only EEE) FUNDAMENTALS OF BIOLOGY (R161217) (Only Bio-Tech) DATA STRUCTURES (R161213) (Com. to EIE,ECE, E Com E) ENGINEERING MECHANICS (R161216) (Com. to CSE, IT, Agri E) ENGINEERING DRAWING (R161210) (Com to AE,AME,Chem E, ME,Metal E,Min E,PCE,PE)	ENGINEERING PHYSICS (R161204) (AE,AME, Bio-Tech,Chem E,CE,ME,Metal E, Min E, PCE, PE) ENGINEERING CHEMISTRY (R161219) (Only Agri E) ENVIRONMENTAL STUDIES (R161212) (Com. to CSE, IT, EIE, ECE, ECom E)

NOTE:

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- ii. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

H. Reddy

Controller of Examinations

DATE: 21-06-2023

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA**

TIME TABLE

DATE OF EXAMINATION: 02-08-2023 (Wednesday)

TIME OF EXAMINATION: 10.00 AM TO 01.00 PM

ENGINEERING DRAWING (R161206) (Comm to Bio-Tech, CE, EEE)

NOTE:

- i. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
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DATE: 21-06-2023



Controller of Examinations

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

TIME TABLE

I B.TECH II SEMESTER SUBSTITUTE SUBJECTS OF READMITTED STUDENTS FROM R13 TO R16 REGULATIONS

DATE OF EXAMINATION: 01-08-2023 (Tuesday)	TIME OF EXAMINATION: 10.00 AM TO 01.00 PM	
BRANCH	THE SUBJECTS OF R13 REGULATIONS, ALREADY STUDIED BY THE RE-ADMITTED STUDENTS OF R13 REGULATIONS	SUBSTITUTE SUBJECTS FOR RE-ADMITTED STUDENTS OF R16 REGULATIONS
Computer Science Engineering	Engineering Mechanics	Engineering Drawing (RA161251)
Information Technology	Engineering Mechanics	Engineering Drawing (RA161251)
Electrical and Electronics Engineering	Applied Physics	Applied Chemistry (RA161222)
Electrical and Electronics Engineering	Engineering Drawing	Engineering Mechanics (RA161223)

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H. R. Kic

DATE: 21-06-2023

Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

I B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY/AUGUST - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

Date & Day	19-07-2023 (Wednesday)	21-07-2023 (Friday)	24-07-2023 (Monday)	26-07-2023 (Wednesday)	28-07-2023 (Friday)	01-08-2023 (Tuesday)
Subjects	<p>ENGLISH (Com. to CE,ME, Chem E,Auto E, Min E, Pet E,Agri E) (R19HS1201)</p> <p>MATHEMATICS-II (Com. to EEE,ECE,CSE, EIE,IT) (R19BS1202)</p>	<p>MATHEMATICS- III (Com. to CE,EEE,ECE,CSE, Chem E,EIE,IT, Auto E,Min E, PetE) (R19BS1203)</p>	<p>APPLIEDPHYSICS (Com to EEE, ECE, CSE, EIE, IT) (R19BS1204)</p> <p>ENGINEERING CHEMISTRY (Com to CE, ME, Agri E) (R19BS1210)</p> <p>ENGINEERING PHYSICS (Com. to Chem E, Auto E, Min E, Pet E) (R19BS1208)</p>	<p>DIGITAL LOGICDESIGN (Com. CSE,IT) (R19ES1213)</p> <p>PRINCIPLES OF SOIL SCIENCE & AGRONOMY (Only AgriE) (R19BS1214)</p> <p>INTRODUCTION TO CHEMICAL ENGINEERING (Only ChemE) (R19CH1201)</p> <p>INTRODUCTION TO PETROLEUM ENGINEERING (Only Pet E) (R19PT1201)</p> <p>FUNDAMENTALSO F COMPUTERS (Only EEE) (R19ES1212)</p>	<p>PROGRAMMING FOR PROBLEM SOLVING USING C (Com. CE,CSE,IT,Agri E) (R19ES1201)</p> <p>ELECTRICAL CIRCUIT ANALYSIS-I ENGINEERING (Only EEE) (R19ES1217)</p> <p>BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (Com. ME, Auto E,Min E) (R19ES1206)</p> <p>BASIC ELECTRICAL ENGINEERING (Com. ECE, EIE) (R19ES1211)</p>	<p>ENGINEERING MECHANICS (Com. to ME, Chem E, Pet Agri E) (R19ES1204)</p> <p>NETWORK ANALYSIS (Com. ECE, EIE) (R19ES1209)</p> <p>ENGINEERING DRAWING (Com. to Auto E, Min E) (R19ES1203)</p>

NOTE:

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- EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

H. R. Kic

Controller of Examinations

DATE: 21-06-2023



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

I B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, JULY/AUGUST - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

Date & Day	19-07-2023 (Wednesday)	21-07-2023 (Friday)	24-07-2023 (Monday)	26-07-2023 (Wednesday)	28-07-2023 (Friday)	01-08-2023 (Tuesday)
Subjects	<p>Mathematics – II R201201</p>	<p>Building Materials and Concrete Technology R201205 (Only for CE)</p> <p>Applied Physics R201207 (Comm to EEE, ECE, EIE, ECT, CSE-AI&ML, CSE-AI, CSE-DS, CSE-AI&DS, AI&DC)</p> <p>Basic Electrical and Electronics Engineering R201211 (Comm to ME, AME, Mining, PE, FE, Pharm. E)</p>	<p>Programming for Problem Solving Using C R201204 (Comm to CE, Agri E)</p> <p>Data Structures Through C R201208 (Only for EEE)</p> <p>Basic Electrical Engineering R201214 (Comm to ECE, EIE, ECT)</p> <p>Computer Organization R201216 (Comm to CSE, IT)</p> <p>Digital Logic Design R201221 (Comm to CSE-CS&T, CSE-AI&ML, CSE-AI, CSE-DS, CSE-AI&DS, CSE-CS, CSE-IOT&CS INCL BCT, CSE-CS&BS, CSE-IOT, AI&DS, Cyber Security)</p> <p>Engineering Physics R201222 (Comm. to AME, Mining, PE, FE)</p>	<p>Data Structures R201218 (Comm to CSE, IT, CSE-AI&ML, CSE-AI, CSE-DS, CSE-AI&DS, AI&DS)</p> <p>Problem Solving Using Python R201219 (Comm to CSE-CS&T, CSE-CS, CSE-IOT&CS Incl BCT, CSE-CS&BS, CSE-IOT, Cyber Security)</p> <p>Pharmaceutical Chemistry R201258 (Only for Pharm. E)</p> <p>Electrical Circuit Analysis – IR201209 (Only for EEE)</p> <p>Engineering Mechanics R201210 (Comm to ME, PE, Agri E, FE)</p> <p>Mechanics of Solids R201255 (Only for Mining)</p> <p>Metallurgy & Materials Science R201256 (Only for AME)</p>	<p>Engineering Mechanics R201203 (Only for CE)</p> <p>Thermodynamics R201254 (Only for ME)</p> <p>Basic Civil and Mechanical Engineering R201227 (Only for EEE)</p> <p>Engineering Drawing R201224 (Comm to Mining, Agri. E, Pharm. E)</p> <p>Object Oriented Programming Through Java R201212 (Comm to ECE, EIE, ECT)</p> <p>Basic Electrical & Electronics Engineering R201220 (Comm to CSE-CS&T, CSE-CS, CSE-IOT&CS Incl BCT, CSE-CS&BS, CSE-IOT, Cyber Security)</p> <p>Engineering Graphics R201257 (Only for AME)</p> <p>Python Programming R201225 (Comm to CSE, IT, CSE-AI&ML, CSE-AI, CSE-DS, CSE-pAI&DS, AI&DS)</p> <p>Elements of Mechanical Engineering R201223 (Only for PE)</p>	<p>Mathematics R20120 (Only for EE)</p> <p>Engineering Chemistry R201202 (Comm. to CE, ME, Agri. E)</p> <p>Applied Chemistry R20121 (Comm to CSE, CS, IT, CSE-CS, CSE-Incl BCT, CSE-CSE-IOT, Cyber Security)</p> <p>Network Analysis R20121 (Comm to ECE, EIE)</p> <p>Engineering Solid Mechanics R201223 (Only for Pharm)</p>

NOTE:

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- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

H. Reddy

Controller of Examinations

DATE: 21-06-2023



I B.TECH I SEMESTER (R13)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

I. B. TECH I SEMESTER (R13) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM to 01.00 PM

DATE & DAY	18-07-2023 (Tuesday)	20-07-2023 (Thursday)	22-07-2023 (Saturday)	25-07-2023 (Tuesday)	27-07-2023 (Thursday)	31-07-2023 (Monday)
SUBJECTS	ENGLISH – I (R13101) (Com. to All Branches)	MATHEMATICS – I (R13102) (Com. to All Branches)	MATHEMATICS-II (R13107) (MATHEMATICAL METHODS) (Com. to ECE, EEE, EIE, Bio-Tech, E Com E, Agri. E)	ENGINEERING PHYSICS (R13103) (Com. to ECE, EEE, EIE, Bio-Tech, E Com E, Agri E)	PROFESSIONAL ETHICS & HUMAN VALUES (R13108) (Com. to ECE, EEE, EIE, Bio-Tech, E Com E, Agri E)	ENGINEERING DRAWING (R13109) (Com. to ECE, EIE, Bio-Tech, E Com E, Agri E)
			ENGINEERING CHEMISTRY (R13104) (Com. to CE, ME, CSE, PCE, IT, Chem E, Aero E, AME, Min E, PE, Metal E, Textile Engineering)	ENGINEERING MECHANICS (R13110) (Com. to CE, ME, CSE, PCE, IT, Chem E, Aero E, AME, Min E, PE, Metal E, Textile Engineering)	COMPUTER PROGRAMMING (R13105) (Com. to CE, ME, CSE, PCE, IT, Chem E, Aero E, AME, Min E, PE, Metal E, Textile Engineering)	ENGINEERING DRAWING (R13109) (EEE Only)

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H. R. K. K. K.

DATE: 21-06-2023

Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

I B.TECH I SEMESTER (R16)

I B. TECH I SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY/AUGUST - 2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

DATE & DAY	18-07-2023 (Tuesday)	20-07-2023 (Thursday)	22-07-2023 (Saturday)	25-07-2023 (Tuesday)	27-07-2023 (Thursday)	31-07-2023 (Monday)	02-08-2023 (Wednesday)
Subjects	ENGLISH-I (R161101)	MATHEMATICS-I (R161102)	APPLIED CHEMISTRY (R161106) (Only EEE)	MATHEMATICS – II (R161109) (Mathematical Methods) (Com to CSE, IT, Agri E)	COMPUTER PROGRAMMING (R161107) (Com. to ECE, Aero E, Auto E, Bio-Tech, Chem E, CE, CSE, IT, EIE, EEE, ME, Metal E, Min E, PChem E, PE, ECom E)	ENVIRONMENTAL STUDIES (R161108) (Com. to Agri E, Auto E, Bio-Tech, Chem E, CE, EEE, ME, Metal E, Min E, PChem E, PE, Aero E)	ENGINEERING DRAWING (R161113) (Com to ECE, EIE, E Com E)
			APPLIED PHYSICS (R161104) (Com. to ECE, CSE, IT, EIE, ECom.E)	MATHEMATICS – II (R161110) (Numerical Methods and Complex variables) (Com to ECE, EIE, ECom E)			
			ENGINEERING PHYSICS (R161103) (Only Agri E)	ENGINEERING MECHANICS (R161111) (Com. to Aero E, Auto E, Bio-Tech, Chem E, CE, EEE, ME, Metal E, Min E, PChem E, PE)			

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Controller of Examinations

DATE: 21-06-2023



I B.TECH I SEMESTER (R19)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

I B. TECH I SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 10.00 AM to 01.00 PM

DATE & DAY	18-07-2023 (Tuesday)	20-07-2023 (Thursday)	22-07-2023 (Saturday)	25-07-2023 (Tuesday)	27-07-2023 (Thursday)	31-07-2023 (Monday)
Subjects	ENGLISH (R19HS1101) (Com. to EEE, ECE, CSE, EIE, IT)	MATHEMATICS-I (R19BS1101) (Com. to CE, EEE, ME, ECE, CSE, Chem E, EIE, IT, Auto E, Min E, Pet E, Agri E)	APPLIED CHEMISTRY (R19BS1106) (Com to EEE, ECE, CSE, EIE, IT)	SURVEYING AND LEVELING (R19AG1101) (Only Agri E)	PROGRAMMING FOR PROBLEM SOLVING USING C (R19ES1101) (Com. to EEE, ME, ECE, Chem E, EIE, Auto E, Min E, Pet E)	ENGINEERING DRAWING (R19ES1103) (Com. to CE,EEE,ME, ECE,CSE, IT, Agri E Chem E, EIE, Pet E)
	ENGINEERING PHYSICS (R19BS1108) (Com. to CE,ME, Agri E)					
	MATHEMATICS-II (R19BS1102) (Com. to CE, ME, Chem E, Auto E, Min E, Pet E, Agri E)		ENGINEERING CHEMISTRY (R19BS1110) (Com. to Auto E, Min E, Pet E)	ENGINEERING MECHANICS (R19ES1104) (Com. to CE, Auto E, Min E)		

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H. R. K. K. K.

Controller of Examinations

DATE: 21-06-2023



I B.TECH I SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

I B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY-2023

TIME TABLE

TIME: 10.00 AM TO 01.00 PM

DATE & DAY	18-07-2023 (Tuesday)	20-07-2023 (Thursday)	22-07-2023 (Saturday)	25-07-2023 (Tuesday)	27-07-2023 (Thursday)	31-07-2023 (Monday)
Subjects	Communicative English R201102 (Common to All Branches)	Mathematics-I R201101 (Common to All Branches)	Programming for Problem Solving Using C R201110 (Except CE, Agri E) Engineering Geology R201105 (Only for CE)	Engineering Drawing R201104 (Comm to CE, ME, ECE, EIE, PE, FE) Engineering Drawing & Design R201111 (Only for EEE) Principles of Soil Science and Agronomy R201127 (Only for Agri E) Design Drawing and Visualization R201135 (Only for CSD)	Applied Physics R201117 (Comm to CSE, CSE-CS&T, IT, CSE-CS, CSE-IOT&CS incl BCT, CSE-CS&BS, CSE-IOT, CS, IOT) Engineering Mechanics R201124 (Com. to AME, Min E)P Fundamental Chemistry R201130 (Only for FE) Engineering Physics R201103 (Comm to CE, ME, Agri E, Phar. E)	Mathematics-II R201109 (Only for EEE) Engineering Chemistry R201123 (Com. to AME, Min E, PE) Engineering Chemistry R201134 (Only for Phar. E) Applied Chemistry R201115 (Comm to ECE, EIE, ECT, CS AI&ML, CSE-AI, CSE-DS, C: AI&DS, AIDS, AIML, CSD)

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H. R. K. K.

Controller of Examinations

DATE: 21-06-2023



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH II SEMESTER (R13) SUPPLEMENTARY EXAMINATIONS, APRIL - 2023

TIME T A B L E

TIME: 10.00 AM TO 1.00 PM

Branch	17.04.2023 (Monday)	19.04.2023 (Wednesday)	21.04.2023 (Friday)	24.04.2023 (Monday)
Civil Engineering (01)	Estimating, Specifications & Contracts (RT42011)	Elective-II: Engineering with Geo-synthetics (RT42012A)/ Environmental Impact Assessment and Management (RT42012B)/ Advanced Structural Engineering (RT42012C)/ Ground Water Development and Management (RT42012D)/ Traffic Engineering (RT42012E)/ Infrastructure Management (RT42012F)	Elective-III: Advanced foundation Engineering (RT42013A)/ Solid waste Management (RT42013B)/ Earthquake Resistant Design (RT42013C)/ Water Shed Management (RT42013D)/ Pavement Analysis and Design (RT42013E)/ Green Buildings (RT42013F)	Elective-IV: Soil Dynamics and Machine Foundations (RT42014A)/ Environmental and Industrial Hygiene(RT42014B)/ Repair and Rehabilitation of Structures(RT42014C)/ Water Resources System Planning and Management (RT42014D)/ Urban Transportation Planning (RT42014E)/ Safety Engineering (RT42014F)/ Bridge Engineering (RT42014G)
Electrical and Electronics Engineering (02)	Digital Control Systems (RT42021)	Elective-II: Advanced Control Systems (RT42022A) High Voltage Engineering (RT42022B) Special Electrical Machines (RT42022C)	Elective-III: Electric Power Quality (RT42023A)/ Digital Signal Processing (RT42023B)/ FACTS: Flexible Alternating Current Transmission Systems (RT42023C)	Elective-IV: OOPS Through Java(RT42024A)/ UNIX and Shell Programming (RT42024B)/ AI Techniques (RT42024C)/ Power System Reforms (RT42024D)/ Systems Engineering (RT42024E)
Mechanical Engineering (03)	Production Planning and Control (RT42031) <i>(Common to ME, Mining)</i>	Green Engineering Systems (RT42032)	Elective-III: Experimental Stress Analysis (RT42033A) <i>(Common to ME,AME)/</i> Mechatronics (RT42033B)/ Advanced Materials (RT42033C)/ Power Plant Engineering(RT42033D)	Elective-IV: Non Destructive Evaluation(RT42034A)/ Advanced Optimization Techniques(RT42034B)/ Gas Dynamics & Jet Propulsion(RT42034C)/ Quality and Reliability Engineering (RT42034D)
Electronics and Communication Engineering (04)	Cellular Mobile Communication (RT42041)	Electronic Measurements and Instrumentation (RT42042)	Elective-III: Satellite Communication (RT42043A)/ Mixed signal Design (RT42043B)/ Embedded systems (RT42043C) <i>(Common to ECE,EIE&ECC)</i> RF Circuit Design (RT42043D) Cloud Computing (RT42043E) <i>(Common to ECE,CSE)</i>	Elective-IV: Wireless Sensors and Networks (RT42044A) <i>(Common to ECE,EIE&ECC)</i> System on Chip (RT42044B) <i>(Common to ECE, EIE)</i> Low Power VLSI Design (RT42044C) Bio-Medical Ins(RT42044D) EMI/EMC (RT42044E) <i>(Common to ECE, ECC)</i>
Computer Science and Engineering (05)	Distributed Systems (RT42051) <i>(Common to CSE, IT)</i>	Management Science (RT42052) <i>(Common to CSE, IT & AME)</i>	Elective-IV: Micro processors and Multi Core Systems (RT42054A)/ Embedded and Real Time Systems (RT42054B)/ Neural Networks & Soft Computing (RT42054C) / Social Networks and the Semantic Web(RT42054D)/ Cloud Computing (RT42043E) <i>(Common to CSE, ECE)</i>	Elective-III: Human Computer Interaction (RT42053A)/ <i>(Common to CSE, IT)</i> Advanced Operating Systems (RT42053B)/ <i>(Common to CSE, IT)</i> Mobile Adhoc & Sensor Networks(RT42053C)/ <i>(Common to CSE, IT)</i> Pattern Recognition(RT42053D)/ <i>(Common to CSE, IT)</i> Digital Image Processing (RT42053E)/ Micro processors and Multi Core Systems (RT42053F)

Branch	17.04.2023 (Monday)	19.04.2023 (Wednesday)	21.04.2023 (Friday)	24.04.2023 (Monday)
Chemical Engineering (08)	Industrial Safety & Hazard Management (RT42081)	Elective-II: Multicomponent Distillation (RT42082A)/ Fluidization Engineering (RT42082B)/ Corrosion & Its Control (RT42082C)	Elective-III: Computational Fluid Dynamics (RT42083A)/ Optimization of Chemical Processes (RT42083B)/ Computational Methods in Chemical Engineering (RT42083C)	Elective-IV: Catalysis(RT42084A)/ Pipeline Engineering (RT42084B)/ Process Trouble Shooting (RT42084C)
Electronics & Instrumentation Engineering (10)	Industrial Automation (RT42101)	Data Communication (RT42102)	Elective-III: Digital IC Design (RT42103A)/ Embedded systems (RT42043C) <i>(Common to ECE,EIE&ECC)/</i> Micro electromechanical systems (MEMS) (RT42103B)/ Computer Networks (RT42103C)/ Advanced Computer Architecture (RT42103D)	Elective-IV: Wireless Sensors and Networks (RT42044A) <i>(Common to ECE,EIE&ECC) /</i> Calibration & standards (RT42104A)/ Fiber Optic Sensors (RT42104B)/ Telemetry & Tele control (RT42104C)/ System on Chip(RT42044B) <i>(Common to ECE&EIE)</i>
Information Technology (12)	Distributed Systems (RT42051) <i>(Common to CSE, IT)</i>	Management Science (RT42052) <i>(Common to CSE, IT & AME)</i>	Mathematical Opimization (RT42121)	Elective-III: Human Computer Interaction (RT42053A)/ <i>(Common to CSE, IT)</i> Advanced Operating Systems (RT42053B)/ <i>(Common to CSE, IT)</i> Mobile Adhoc & Sensor Networks(RT42053C)/ <i>(Common to CSE, IT)</i> Pattern Recognition(RT42053D)/ <i>(Common to CSE, IT)</i>
Electronics & Computer Engineering (19)	Automata Theory & Compiler Design (RT42192)/	Elective-IV: Real Time Operating Systems (RT42194B)	Embedded Systems (RT42043C) <i>(Common to ECE,EIE&ECC)</i>	Elective-IV: Wireless Sensor Networks (RT42044A) <i>(Common to ECE, ECC)/</i> Network Security & Cryptography (RT42194C) EMI/EMC (RT42044E)(Common to ECE, ECC)
Aeronautical Engineering (21)	Aircraft Systems and Instrumentation (RT42211)	Structural Analysis and Detailed Design (RT42212)	Elective-III: Engineering Optimization(RT42213A)/ Propellant Technology(RT42213B)/ Boundary Layer Theory(RT42213C)/ Hypersonic Aerodynamics (RT42213D)	Elective-IV: Aero elasticity(RT42214A)/ Industrial Aerodynamics(RT42214B) / Advanced Computational Aerodynamics (RT42214C) / Fatigue and Fracture Mechanics (RT42214D)
Automobile Engineering (24)	Automotive Control Systems (RT42241)	Elective-IV: Management Science (RT42052) <i>(Common to CSE, IT & AME) /</i> Principles of Entrepreneurship (RT42244B)/ Simulation of SI and CI Engines (RT42244C)/ Modern Vehicle Technology (RT42244D)	Elective-III: Automotive Safety (RT42243A)/ Automotive Manufacturing (RT42243B)/ Auto Air Conditioning (RT42243C)/ Experimental Stress Analysis (RT42033A) <i>(Common to ME,AME)</i>	Vehicle Maintenance (RT42242)

Branch	17.04.2023 (Monday)	19.04.2023 (Wednesday)	21.04.2023 (Friday)	24.04.2023 (Monday)
Mining Engineering (26)	Production Planning and Control (RT42031) <i>(Common to ME, MINING)</i>	Deep Sea Mining (RT42262A)/ Mine Construction (RT42262B)/ Tunneling Engineering (RT42262C)	Elective-III: Planning Of Underground Metal Mining Project (RT42263A) / Planning Of Underground Coal Mining Project (RT42263B) / Planning Of Surface Mining Project (RT42263C)	Elective-IV: Maintenance And Reliability Engineering (RT42264A) / Rock Excavation Engineering (RT42264B) / Mine Health And Safety Engineering (RT42264C)
Petroleum Engineering (27)	Petroleum Economics, Regulations & Policies (RT42271)	Reservoir Modeling & Simulation (RT42272A)/ Horizontal Well Technology (RT42272B)/ LNG-Processes, transportation & Storage (RT42272C)	Elective-III: Reservoir Stimulation (RT42273A)/ Subsea Engineering (RT42273B)/ Fundamentals of Multiphase Flow (RT42273C)	Elective-IV: Natural Gas Hydrates (RT42274A) / Advanced Natural Gas Engineering (RT42274B) / Petroleum Biotechnology (RT42274C)
Agricultural Engineering (35)	Design of Agricultural Machinery (RT42351)	Agro Industries and Bi-product Utilization (RT42352)	Elective-III: GIS and Remote Sensing(RT42353A) Human Engineering and Safety(RT42353B) Production Technology of Agricultural Machinery (RT42353C)	Elective-IV: Minor Irrigation and Command area development(RT42354A) Hydraulic Devices and Control (RT42354B) Principles of Entrepreneurship (RT42354C)

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Date : 01-04-2023



Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R16) SUPPLEMENTARY EXAMINATIONS, APRIL - 2023

T I M E T A B L E

TIME : 10.00 AM TO 01.00 PM

Branch	17.04.2023 (Monday)	19.04.2023 (Wednesday)	21.04.2023 (Friday)	24.04.2023 (Monday)
Civil Engineering (01)	Estimation Specificatin & Contracts (R1642011)	Construction Technology & Management (R1642012)	Prestressed Concrete (R1642013)	Elective-III: Bridge Engineering (R164201A)/Soil Dynamics and Foundations (R164201B)/Solid and Hazards waste management (R164201C)/Water Resource System Planning (R164201D)/UrbanTransportation Planning Engineering (R164201E)
Electrical & Electronics Engineering (02)	Digital Control Systems (R1642021)	HVDC Transmission (R1642022)	Electrical Distribution Systems (R1642023)	Elective-I: High Voltage Engineering (R164202A)/Flexible Alternating Current Transmissin Systems (R164202B)/Power Systems Reforms (R164202C)
Mechanical Engineering (03)	Production Planning and Control (Common to Mechanical and Mining) (R1642031)	Unconventional Machining Processes (R1642032)	Automobile Engineering (R1642033)	Elective-III: Thermal Equipment Design (R164203A)/Non Destructive Evaluation (R164203B)/Quality and Reliability Engineering (R164203C)
Electronics & Communication Engineering (04)	Cellular Mobile Communications (R1642041)	Electronic Measurements and Instrumentation (R1642042)	Satellite Communications (R1642043)	Elective-III: Digital IC Design(Common to ECE & E.I.E) (R164204B)/Operating Systems (R164204C)/Wireless Sensors & Networks(R164204A)
Computer Science & Engineering (05)	Distributed Systems (Common to CSE, IT) (R1642051)	Management Science (Common to CSE, IT) (R1642052)	Machine Learning (R1642053)	Elective-III: Operation Research (R164205C)/Artificial Neural Networks(Common to CSE, IT) (R164205B)/Concurrent and Parallel Programming(Common to CSE, IT) (R164205A)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R16) SUPPLEMENTARY EXAMINATIONS, APRIL - 2023

T I M E T A B L E

TIME : 10.00 AM TO 01.00 PM

Branch	17.04.2023 (Monday)	19.04.2023 (Wednesday)	21.04.2023 (Friday)	24.04.2023 (Monday)
Electronics & Instrumentation Engineering (10)	Industrial Automation (R1642101)	Data Communications (R1642102)	Embedded Systems (Common to EIE & E.Comp.E) (R1642103)	Elective III: Digital IC Design (Common to ECE & E.I.E) (R164204B)/Calibration & Standards (R164210A)/Micro Electro Mechanical Systems (MEMS) (R164210B)
Information Technology (12)	Distributed Systems(Common to CSE, IT) (R1642051)	Management Science(Common to CSE, IT) (R1642052)	Management Information System (R1642121)	Elective III: Cyber Security (R164212A)/Software Quality Assurance (R164212B)/Concurrent and Parallel Programming (Common to CSE, IT) (R164205A)/Artificial Neural Networks(Common to CSE, IT)(R164205B)
Electronics & Computer Engineering (19)	Automata Theory & Compiler Design (R1642191)	Elective IV : Real Time Operating Systems (R164219D)/Network Security & Cryptography (R164219E)/	Embedded Systems (Common to EIE & E.Comp.E) (R1642103)	Elective III: Language Processors (R164219A)/EMI/EMC (R164219B)/Data Ware Housing & Data Mining (R164219C)/Wireless Sensors & Networks(R164204A)
Aeronautical Engineering (21)	Rockery and Space Mechanics (R1642211)	Mechanics of Composites (R1642212)	Aerospace Materials (R1642213)	Elective III: Avionics (R164221A)/Propellant Technology (R164221B)/Aero Elasticity (R164221C)
Automobile Engineering (24)	Automotive Control Systems (R1642241)	Vehicle Maintenance (R1642242)	Product Design and Assembly Automation (R1642243)	Elective III: Automotive Safety (R164224A)/Automotive Manufacturing Systems (R164224B)/Automobile Air Conditioning (R164224C)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA
IV B.TECH - II SEMESTER (R16) SUPPLEMENTARY EXAMINATIONS, APRIL - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	17.04.2023 (Monday)	19.04.2023 (Wednesday)	21.04.2023 (Friday)	24.04.2023 (Monday)
Mining Engineering (26)	Production Planning and Control (Common to Mechanical and Mining) (R1642031)	Mine Economics & Investment (R1642261)	Mine Health and Safety Engineering (R1642262)	Elective III: Planning of Underground Metal Mining Projects (R164226A)/Planning of Underground Coal Mining Projects (R164226B)/Planning of Surface Mining Projects (R164226C)
Petroleum Engineering (27)	EOR Techniques (R1642271)	HSE & FE in Petroleum Industry (R1642272)	Petroleum Economics, Policies & Regulations (R1642273)	Elective III : Shale Gas Reservoir Engineering (R164227A)/Subsea Engineering (R164227B)/Reservoir Modelling & Simulation (R164227C)
Agricultural Engineering (35)	Design of Agricultural Machinery (R1642351)	Agricultural Extension Techniques and Business Managemet (R1642352)	Agro Industries and Bi-product Utilization (R1642353)	Elective III : GIS and Remote Sensing (R164235A)/Human Engineering and safety (R164235B)/Production Technology of Agricultural Machinery (R164235C)

- 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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 01-04-2023

Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) REGULAR EXAMINATIONS, APRIL - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	17-04-2023 (Monday)	19-04-2023 (Wednesday)	21-04-2023 (Friday)	24-04-2023 (Monday)	26-04-2023 (Wednesday)	28-04-2023 (Friday)
Civil Engineering (01)	Estimation Specifications and Contract (R1942011)	Program Elective – IV Finite Element Methods (R194201A), Design & Drawing of Irrigation Structures (R194201B), Soil Dynamics and Machine Foundations (R194201C), Road Safety Engineering (R194201D), Disaster Management & Mitigation (R194201E), SWAYAM / NPTEL /MOOCS COURSES(12 weeks duration) (R194201F)	.....	Program Elective –V Advanced Structural Analysis (R194201G), Urban Hydrology (R194201H), Ground Improvement Techniques (R194201I), Pavement Management Systems (R194201J), Low-cost Housing, (R194201K), SWAYAM/NPTEL /MOOCS COURSES(12 weeks duration) (R194201L)	.....	.....
Electrical & Electronics Engineering (02)	Power System Operation & Control (R1942021)	Elective – IV Electrical Distribution Systems (R194202A), HVAC & DC Transmission (R194202B), Flexible Alternating Current Transmission Systems (R194202C), Power Quality (R194202D), Smart Grid (R194202E), Special Electrical Machines (R194202F)	Open Elective (offered by Civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U) Open Elective – II (offered by ME) Green Energy Systems (R194203K), Robotics (R194203L), Energy Management (R194203M), 3D Printing Technologies (R194203N), Mechatronics (R194203O) Open Elective – II (offered by ECE) Embedded Systems (Except for ECE) (R194204H) Open Elective – II (offered by CSE) Problem Solving using Python (R194205I), Web Technologies (R194205J), Machine Learning (R194205K), Distributed Computing (R194205L), AI Tools & Techniques (R194205M), Data Science (R194205N)	.....	.....	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) REGULAR EXAMINATIONS, APRIL - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	17-04-2023 (Monday)	19-04-2023 (Wednesday)	21-04-2023 (Friday)	24-04-2023 (Monday)	26-04-2023 (Wednesday)	28-04-2023 (Friday)
Mechanical Engineering (03)	Elective – V Additive Manufacturing (R194203A), Gas Dynamics and Jet Propulsion (R194203B), Reliability Engineering (R194203D), MOOCs (NPTEL/Swayam) 12 WEEKS (R194203E)	Elective – VI Condition Monitoring (R194203F), Computational Fluid Dynamics (R194203G), Non Destructive Evaluation (R194203H), Control Systems (R194203I), Entrepreneurship Development (R194203J)	Open Elective (offered by Civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U) Open Elective II (offered by EEE) Measurements & Instrumentation (Except for EEE) (R194202G), Fundamentals of Utilization of Electrical Energy (Except for EEE) (R194202H), Concepts of Power System Engineering (Except for EEE) (R194202I), Basics of Control Systems (Except for EEE) (R194202J), Energy Audit (Except for EEE) (R194202K) Open Elective – II (offered by ME) Green Energy Systems (R194203K), Robotics (R194203L), Energy Management (R194203M), 3D Printing Technologies (R194203N), Mechatronics (R194203O) Open Elective – II (offered by ECE) Embedded Systems (Except for ECE) (R194204H) Open Elective – II (offered by CSE) Problem Solving using Python (R194205I), Web Technologies (R194205J), Machine Learning (R194205K), Distributed Computing (R194205L), AI Tools & Techniques (R194205M), Data Science (R194205N)	Open Elective – III (offered by ME) Total Quality Management (R194203P), Supply Chain Management (R194203Q), Entrepreneurship (R194203R), Advanced Materials (R194203S) Open Elective – III (offered by CSE & IT) Image Processing (Except for CSE & IT) (R194205F) Mobile Application Development (Except for CSE&IT) (R194205G) Cyber Security (Except for CSE & IT) (R194205H) Open Elective – III (offered by PE) Shale Gas Technology (Except for PE) (R194227G), Basic concepts of Enhanced Oil Recovery Techniques (Except for PE) (R194227H) Open Elective – III (offered by AGE) Design of Agricultural Machinery (R194235D), Food Quality and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A) Block chain Technologies (R194205D) Big Data Analytics) (R194205E)	Product Design & Development (R194203C)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) REGULAR EXAMINATIONS, APRIL - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	17-04-2023 (Monday)	19-04-2023 (Wednesday)	21-04-2023 (Friday)	24-04-2023 (Monday)	26-04-2023 (Wednesday)	28-04-2023 (Friday)
Electronics & Communication Engineering (04)	Elective – V Wireless Communication (R194204A), VLSI Testing & Testability (R194204B), Machine Learning & Artificial Intelligence (R194204C), Speech Processing (R194204D), Industrial Internet of things (R194204E)	.....	Open Elective (offered by Civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U) Open Elective II (offered by EEE) Measurements & Instrumentation (Except for EEE) (R194202G), Fundamentals of Utilization of Electrical Energy (Except for EEE) (R194202H), Concepts of Power System Engineering (Except for EEE) (R194202I), Basics of Control Systems (Except for EEE) (R194202J), Energy Audit (Except for EEE) (R194202K) Open Elective – II (offered by ME) Green Energy Systems (R194203K), Robotics (R194203L), Energy Management (R194203M), 3D Printing Technologies (R194203N) Mechatronics (R194203O) Open Elective – II (offered by ECE) 3D Printing (Open Electives for ECE) (R194204F), Cyber Security & Cryptography (Open Electives for ECE) (R194204G) Open Elective – II (offered by CSE) Problem Solving using Python (R194205I), Web Technologies (R194205J), Machine Learning (R194205K), Distributed Computing (R194205L), AI Tools & Techniques (R194205M), Data Science (R194205N)	.....	Block chain Technologies (R194205D)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) REGULAR EXAMINATIONS, APRIL - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	17-04-2023 (Monday)	19-04-2023 (Wednesday)	21-04-2023 (Friday)	24-04-2023 (Monday)	26-04-2023 (Wednesday)	28-04-2023 (Friday)
Computer Science & Engineering (05)	Management and Organizational Behavior (Common to CSE & IT) (R1942051)	Elective – V Quantum Computing (Common to CSE & IT) (R194205B), DevOps (R194205C),	Open Elective (offered by Civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U)	Open Elective – III (offered by ME) Total Quality Management (R194203P), Supply Chain Management (R194203Q), Entrepreneurship (R194203R), Advanced Materials (R194203S) Open Elective – III (offered by PE) Shale Gas Technology (Except for PE Branch) (R194227G), Basic concepts of Enhanced Oil Recovery Techniques (Except for PE) (R194227H) Open Elective – III (offered by AGE) Design of Agricultural Machinery (R194235D), Food Quality and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A), Block chain Technologies (R194205D), Big Data Analytics (R194205E)	Product Design & Development (R194203C)
Information Technology (12)	Management and Organizational Behavior (Common to CSE & IT) (R1942051)	Elective – V Quantum Computing (Common to CSE & IT) (R194205B), Software Project Management (R194212A), Network Programming (R194212B)	Open Elective (offered by Civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U)	Open Elective – III (offered by ME) Total Quality Management (R194203P), Supply Chain Management (R194203Q), Entrepreneurship (R194203R), Advanced Materials (R194203S) Open Elective – III (offered by PE) Shale Gas Technology (Except for PE) (R194227G), Basic concepts of Enhanced Oil Recovery Techniques (Except for PE) (R194227H), Open Elective – III (offered by AGE) Design of Agricultural Machinery (R194235D), Food Quality and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A), Block chain Technologies (R194205D), Big Data Analytics (R194205E)	Product Design & Development (R194203C)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) REGULAR EXAMINATIONS, APRIL - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	17-04-2023 (Monday)	19-04-2023 (Wednesday)	21-04-2023 (Friday)	24-04-2023 (Monday)	26-04-2023 (Wednesday)	28-04-2023 (Friday)
Automobile Engineering (24)	Noise, Vibrations and Harshness (R1942241)	Vehicle Maintenance (R1942242)	Certification and Homologation (R1942243)	Elective – III Automotive Safety (R194224A), Automotive HVAC (R194224B), Special Purpose Vehicles (R194224C)	.....	.....
Mining Engineering (26)	Mine Economics & Investment (R1942261)	Numerical Modeling in Mining (R1942262)	Elective – II Planning of Underground Metal Mining Projects (R194226A), Long wall mining (R194226B), Planning of Surface Mining Projects (R194226C)	.....	.....	.....
Petroleum Engineering (27)	Elective – VI Production Optimization using Nodal Analysis, (R194227A), Deepwater Technology, (R194227B) Any other course subjective availability from NPTEL database (12 Weeks) other than regular offered courses. (R194227C)	Elective – VII Asset Management (R194227D) Petroleum Economics, Policies and Regulations (R194227E) Any other course subjective availability from NPTEL database (12 Weeks) other than regular offered courses. (R194227F)	Open Elective (offered by civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N), Elements of Civil Engineering (R194201O), Green Technology (R194201P), Smart Cities (R194201Q), Project Management (R194201R), Traffic Safety (R194201S), Geo-Spatial Technologies (R194201T), Waste Water Treatment (R194201U)	Open Elective – III (offered by ME) Total Quality Management (R194203P), Supply Chain Management (R194203Q), Entrepreneurship (R194203R), Advanced Materials (R194203S) Open Elective – III (offered by CSE & IT) Image Processing (Except for CSE & IT) (R194205F), Mobile Application Development (Except for CSE & IT) (R194205G), Cyber Security (Except for CSE & IT) (R194205H) Open Elective – III (offered by AGE) Design of Agricultural Machinery (R194235D), Food Quality and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A) Block chain Technologies (R194205D) Big Data Analytics (R194205E)	Product Design & Development (R194203C)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - II SEMESTER (R19) REGULAR EXAMINATIONS, APRIL - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

Branch	17-04-2023 (Monday)	19-04-2023 (Wednesday)	21-04-2023 (Friday)	24-04-2023 (Monday)	26-04-2023 (Wednesday)	28-04-2023 (Friday)
Agricultural Engineering (35)	Agricultural Extension Techniques and Business Management (R194235I)	Elective –IV Design of Soil and Water Conservation and Form Systems (R194235A), Process Equipment Design (R194235B), Digital Control Systems (R194235C)	Open Elective – IV (offered by AGE) Agro Industries and By-Products Utilization (R194235G) Hydraulic Devices and Controls (R194235H) Water Resource System Planning and Management (R194235I) Open Elective (offered by civil) Disaster Management (R194201M), Environmental Pollution & Control (R194201N) Elements of Civil Engineering (R194201O) Green Technology (R194201P) Smart Cities (R194201Q) Project Management (R194201R) Traffic Safety (R194201S) Geo-Spatial Technologies (R194201T) Waste Water Treatment (R194201U)	Open Elective – III (offered by ME) Total Quality Management (R194203P), Supply Chain Management (R194203Q), Entrepreneurship (R194203R), Advanced Materials (R194203S) Open Elective – III (offered by CSE & IT) Image Processing (Except for CSE & IT) (R194205F) Mobile Application Development (Except for CSE & IT) (R194205G) Cyber Security (Except for CSE & IT) (R194205H) Open Elective – III (offered by PE) Shale Gas Technology (Except for PE) (R194227G), Basic concepts of Enhanced Oil Recovery Techniques (Except for PE Branch) (R194227H), Open Elective – III (offered by AGE) Design of Agricultural Machinery (R194235D), Food Quality and Control (R194235E), Industrial Pollution Control Engineering (R194235F)	Deep Learning (R194205A) Block chain Technologies (R194205D) Big Data Analytics (R194205E)	Product Design & Development (R194203C)

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DATE: 01 -04-2023


Controller of Examinations



III B.TECH I SEMESTER (R16)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH - I SEMESTER (R16 REGULATIONS) SUPPLEMENTARY EXAMINATIONS, JULY – 2023

TIME TABLE

TIME : 02.00 PM TO 05.00 PM

BRANCH	DATE AND DAY				
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)
CIVIL ENGINEERING (01- CE)	Transportation Engineering-II (R1631015)	Structural Analysis – II (R1631013)	Design and Drawing of Reinforced Concrete Structures (R1631014)	Engineering Geology (R1631012)	Management Science (Com. to CE,PE) (R1631011)
ELECTRICAL AND ELECTRONICS ENGINEERING (02 - EEE)	Pulse & Digital Circuits (R1631024)	Renewable Energy Sources (R1631022)	Power Systems-II (R1631021)	Signals and Systems (R1631023)	Power Electronics (R1631025)
MECHANICAL ENGINEERING (03 - ME)	Dynamics of Machinery (R1631031)	Metal Cutting & Machine Tools (R1631032)	Design of Machine Members-II (R1631033)	Operations Research (R1631034)	Thermal Engineering – II (R1631035)
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)	Computer Architecture and Organization (Com. to ECE,EIE) (R1631041)	Linear IC Applications (Com. to ECE,EIE) (R1631042)	Digital Communications (R1631044)	Digital IC Applications (Com. to ECE,EIE) (R1631043)	Antennas and Wave Propagation (R1631045)
COMPUTER SCIENCE & ENGINEERING (05 - CSE)	Compiler Design (R1631051)	Unix Programming (Com. to CSE,IT) (R1631052)	Object Oriented Analysis and Design using UML (R1631053)	Database Management Systems (Com. to CSE,IT) (R1631054)	Operating Systems (Com. to CSE,IT) (R1631055)

CONTINUED ON PAGE – 2


BRANCH	DATE AND DAY				
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10- EIE)	Computer Architecture and Organization (Com. to ECE,EIE) (R1631041)	Linear IC Applications (Com. to ECE,EIE) (R1631042)	Digital Signal Processing (R1631102)	Digital IC Applications (Com. to ECE,EIE) (R1631043)	Process Instrumentation (R1631101)
INFORMATION TECHNOLOGY (12 - IT)	Human Computer Interaction (R1631121)	Unix and Shell Programming (Com. to CSE,IT) (R1631052)	Advanced JAVA Programming (R1631122)	Database Management Systems (Com. to CSE,IT) (R1631054)	Operating Systems (Com. to CSE,IT) (R1631055)
ELECTRONICS AND COMPUTER ENGINEERING (19 - ECC)	Computer Graphics (R1631191)	Linear IC Applications (Com. To ECE,EIE,ECom E) (R1631042)	Design and Analysis of Algorithms (R1631193)	Digital IC Applications (Com. to ECE,EIE,ECom E) (R1631043)	Computer Networks (R1631192)
AERONAUTICAL ENGINEERING (21 - AE)	Aircraft Performance (R1631211)	Aerodynamics – II (R1631212)	Aircraft Structures- I (R1631213)	Propulsion – I (R1631214)	Theory of Machines (R1631215)

BRANCH	DATE AND DAY				
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)
AUTOMOBILE ENGINEERING (AME-24)	Dynamics of Machinery (R1631241)	Heat Transfer (R1631245)	Design of Machine Elements (R1631243)	Vehicle Transport Management (R1631244)	Fuels and Combustion (R1631242)
MINING ENGINEERING (26-MM)	Under Ground Coal Mining Technology (R1631261)	Mining Machinery & Mechanization-I (R1631265)	Mine Environment Engineering – I (R1631262)	Electrical Equipment in Mines (R1631263)	Mine Surveying-II (R1631264)
PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)	Process Instrumentation (R1631272)	Well Logging & Formation Evaluation (R1631273)	Drilling Technology (R1631274)	Process Dynamics & Control (R1631271)	Management Science (Com. to CE,PE) (R1631011)
AGRICULTURAL ENGINEERING (35-AGE)	Thermodynamics and Refrigeration Systems (R1631351)	Managerial Economics and Financial Analysis (R1631355)	Soil and Water Conservation Engineering (R1631352)	Agricultural Process Engineering (R1631353)	Engineering Properties of Biological Materials and Food Quality (R1631354)

NOTE:

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DATE: 14 -06-2023


Controller of Examinations

**TIME TABLE OF III B.TECH I SEMESTER SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS
FROM R13 TO R16 REGULATIONS**

DATE OF EXAMINATION: 17-07-2023 (Monday)		TIME OF EXAMINATION: 02.00 PM TO 05.00 PM
BRANCH	ALREADY STUDIED SUBJECT	SUGGESTED SUBJECT
CIVIL ENGINEERING (01 - CE)	----	Transportation Engineering-I (P1622016)
ELECTRICAL AND ELECTRONICS ENGINEERING (02 - ME)	----	Managerial Economics & Financial Analysis (P1621026)
MECHANICAL ENGINEERING (03 - ME)	----	Design of Machine Members-I (P1622034)
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)	Professional Ethics & Human Values	Control Systems (P1622042)
COMPUTER SCIENCE & ENGINEERING (05 - CSE)	---	Engineering Mechanics (P161111)
INFORMATION TECHNOLOGY (12-IT)	Professional Ethics & Human Values	Software Engineering (P1621121)

**TIME TABLE OF III B.TECH I SEMESTER SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS
FROM R13 TO R16 REGULATIONS**

DATE OF EXAMINATION: 14-07-2023 (Friday)		TIME OF EXAMINATION: 02.00 PM TO 05.00 PM
BRANCH	ALREADY STUDIED SUBJECT	SUGGESTED SUBJECT
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)	----	Environmental Studies (P161212)

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DATE: 14-06-2023

H. R. Kic
Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B TECH I SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
CIVIL ENGINEERING (01 CE)	Structural Analysis (R1931011)	Concrete Technology (R1931012)	Water Resources Engineering - I (R1931013)	Environmental Engineering - II (R1931014)	Program Elective – I :-	Open Elective – I (Choose any One)
					i) Repair & Rehabilitation of Buildings (R193101A)	i) Disaster Management (R193101F)
					ii) Environmental Impact Assessment (R193101B)	ii) Environmental Pollution & Control (R193101G)
					iii) Reinforced Soil Structures (R193101C)	iii) Elements of Civil Engineering (R193101H)
					iv) Traffic Engineering (R193101D)	iv) Green Technology (R193101I)
					v) Construction Technology & Management (R193101E)	v) Smart Cities (R193101J)
						vi) Project Management (R193101K)
						vii) Traffic Safety (R193101L)
						viii) Geo-Spatial Technologies (R193101M)
ix) Wastewater Treatment (R193101N)						
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Linear IC Applications (R1931023)	Power Electronics (R1931022)	Power Systems-II (R1931021)	Digital Signal Processing (R1931024)	Microprocessors and Microcontrollers (R1931025)	.....
MECHANICAL ENGINEERING (03 ME)	Dynamics of Machinery (R1931031)	Design of Machine Members-II (R1931032)	Mechanical Measurements & Metrology (R1931033)	Managerial Economics and Financial Accountancy (R1931034)	IC Engines & Gas turbines (R1931035)	.....



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B TECH I SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE)	Linear Integrated Circuits and Applications (R1931041)	Microprocessor and Microcontrollers (R1931042)	Digital Communications (R1931043)	Electronic Measurements & Instrumentation (R1931044)	.....	Professional Elective (PE 1) :-
						i) Information Theory & Coding (R193104A)
						ii) Digital System Design Using HDL (R193104B)
						iii) Datastructures and Algorithms (R193104C)
						iv) Soft Computing Techniques and Python Programming (R193104D)
						v) Simulation & Mathematical Modeling (R193104E)
COMPUTER SCIENCE & ENGINEERING (05 CSE)	Data Warehousing and Data Mining (R1931051)	Computer Networks (R1931052)	Compiler Design (R1931053)	Artificial Intelligence (R1931054)	.....	Professional Elective- I:-
						i) Computer Graphics (R193105A)
						ii) Principles of Programming Languages (R193105B)
						iii) Advanced Data Structures (R193105C)
						iv) Software Testing Methodologies (R193105D)
						v) Advanced Computer Architecture (R193105E)
INFORMATION TECHNOLOGY (12 IT)	Advanced Data Structures (R1931121)	Computer Networks (R1931122)	Compiler Design (R1931123)	Artificial Intelligence (R1931054)	Design and Analysis of Algorithms (R1931124)	Professional Elective -I:-
						i) Software Testing Methodologies (R193105D)
						ii) NoSQL Databases (R193112A)
						iii) Scripting Languages (R193112B)
						iv) Computer Graphics (R193105A)
						v) R-Programming (R193112C)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B TECH I SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023**TIME TABLE****TIME: 02.00 PM TO 05.00 PM**

BRANCH	DATE & DAY					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
AUTO MOBILE ENGINEERING (24 AME)	Dynamics of Machinery (R1931031)	Fuels and Combustion (R1931241)	Automotive Components Design (R1931242)	Micro Processors and Micro Controllers (R1931243)	Machine Tools & Metrology (R1931244)	.....
MINING ENGINEERING (26 MM)	Underground Coal Mining Technology (R1931261)	Mine Environment Engineering – II (R1931262)	Rock Mechanics (R1931263)	Mining Machinery & Mechanization- I (R1931264)	Corporate Social Responsibility in Mining (R1931265)	Open Elective :-
						i) Waste Water Management (R193126A)
						ii) Environmental impact analysis (R193126B)
						iii) Disaster Management and Mitigations (R193126C)
PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27 PE)	Process Dynamics & Control (R1931271)	Well Logging & Formation Evaluation (R1931272)	Drilling & Well Completions (R1931273)	Managerial Economics & Financial Analysis (R1931279)	Professional Elective - I :-	Open Elective - I :-
						i) Fundamentals of Liquefied Natural Gas. (R193127A)
						ii) Renewable Energy Sources (R193127C)
						ii) CBM Reservoir Engineering (R193127B)
AGRICULTURAL ENGINEERING (35 AGE)	Thermodynamics and Refrigeration systems (R1931351)	Soil and Water Conservation Engineering (R1931352)	Agricultural Process Engineering (R1931353)	Managerial Economics & Financial Analysis (R1931279)	Farm Machinery and Equipment - I R1931354	.....

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 14 -06-2023

H. Reddy
Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY						
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)	19-07-2023 (Wednesday)
CIVIL ENGINEERING (01 CE)	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Construction Technology & Management R203101A / Remote Sensing and GIS R203101B / Environmental Impact Assessment R203101C / Low-Cost Housing R203101D	Strength of Materials R203101E / Fluid Mechanics R203101F / Surveying and Geomatics R203101G / Highway Engineering R203101H / Safety Engineering R203101I / Environmental Management R203101J / Urban Planning R203101K		
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Power Systems-II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	Professional Elective (PE) :-	Open Elective (OE I) :-	Data Base Management Systems (R203105M) Special Electrical Machines (R203102M)	Operating Systems (R203105N) Electrical Distribution Systems (203102N)
				Linear Ic Applications R203102A / Utilization Of Electrical Energy R203102B / Computer Architecture And Organization R203102C / Optimization Techniques R203102D / Object Oriented Programming Through Java R203102E / Optimization Techniques R203102D / Object Oriented Programming Through Java R203102E	Renewable Energy Sources R203102F / Concepts Of Optimization Techniques R203102G / Concepts of Control Systems R203102H		
MECHANICAL ENGINEERING (03 ME)	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	Professional Elective (PE) :-	Open Elective (OE I) :-	Data Base Management Systems (R203105M) Advanced Mechanics of Fluids (R203103K)	Operating Systems (R203105N) Experimental Methods in Fluid Mechanics (R203103X)
				Finite Element Methods R203103A / Industrial Robotics R203103B / Advanced Materials R203103C / Renewable Energy Sources R203103D / Mechanics of Composites R203103E / MOOCs (NPTEL/Swayam) R203103F	Sustainable Energy Technologies R203103G / Operations Research R203103H / Nano Technology R203103I / Thermal Management of Electronic systems R203103J		



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY						
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)	19-07-2023 (Wednesday)
ELECTRONICS & COMMUNICATION ENGINEERING (04 ECE)	Analog ICs and Applications (R2031041)	Electromagnetic Waves and Transmission Lines (R2031042)	Digital Communications (R2031043)	Professional Elective (PE) :-	Open Elective (OE I) :-	Data Base Management Systems (R203105M)	Operating Systems (R203105N)
				Antenna And Wave Propagation R203104A / Electronic Measurements & Instrumentation R203104B / Computer Architecture & Organization R203104C	Basics of Signals and Systems R203104D / Electronic Measurements and Instrumentation R203104E / Principles of Signal Processing R203104F / Industrial Electronics R203104G / Consumer Electronics R203104H / Fundamentals of Microprocessors and Microcontrollers R203104I / Transducers and Sensors R203104J / IOT and Applications R203104K / Soft Computing Techniques R203104L / IC Applications R203104M / Principles of Communications R203104N / Basic Electronics R203104O / Data Communications R203104P / Digital Logic Design R203104Q / Remote Sensing and GIS R203104R / Bio Medical Instrumentation R203104S / Introduction to Microprocessor and Microcontrollers R203114G		
COMPUTER SCIENCE & ENGINEERING (05 CSE)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Warehousing and Data Mining (R2031053)	Professional Elective (PE II) :-	Open Elective (OE I) :-	Electronics Devices And Basic Circuits (R203104T) Statistical Foundation For Data Science (R203105P) Text Mining And Time Series Analysis (R203105O)	Digital Electronics (R203104U) Data Visualization (R203105Q) Mathematics For Machine Learning (R203105R)
				Artificial Intelligence R203105A / Software Project Management R203105B / Distributed Systems R203105C / Advanced Unix Programming R193205D	Optimization in Operations Research R203105E / Data Structures R203105F / Object Oriented Progra. through JAVA R203105G / Data Base Management Systems R203105H / Computer Graphics R203105I / Advanced UNIX Programming R203105J / Computer Organization and Arch. R203105K / Operating Systems R203105L		



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY						
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)	19-07-2023 (Wednesday)
INFORMATI ON TECHNOLOG Y (12 IT)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Mining Techniques (R2031121)	Professional Elective (PE II) :-	Open Elective (OE I) :-	.....	.....
				Artificial Intelligence R203105A / Distributed Systems R203105C / Advanced Unix Programming R203105D / Agile Software Process R203112A	DevOps R203112B / Data Structures R203105F / Object Oriented Progra. through JAVA R203105G / Data Base Management Systems R203105H / Computer Graphics R203105I / Advanced UNIX Programming R203105J / Computer Organization and Arch. R203105K / Operating Systems R203105L		
AUTO MOBILE ENGINEERIN G (24 AME)	Theory of Machines (R2031241)	Production Technology (R2031242)	Vehicle Dynamics (R2031243)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Alternative Fuels for Engines R203124A / Two and Three Wheelers R203124B / Microprocessor and Micro Controllers R203124C / Heat Transfer R203124D / Industrial Hydraulics and Pneumatics R203124E / MOOC's/NPTEL R203124F	Basic Automobile Engineering R203124G / Automobile Maintenance and Safety R203124H / Automobile Emissions and Effects R203124I		
MINING ENGINEERIN G (26 MM)	Mine Hazards and Rescue (R2031261)	Underground Coal Mining (R2031262)	Mine Hoisting and Transportation (R2031263)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Remote Sensing and GIS R203101B / Resource Evaluation and Geo- Statistics - R203126A / Mine Planning and Design R203126B / Mine Safety & Ergonomics R203126C	Introduction to Underground Mining R203126D / Introduction to Surface Mining R203126E / Tunneling and Underground Space Design R203126F / Engineering Survey R203126G		
AGRICULTU RAL ENGINEERIN G (35 AGE)	Farm Machinery and Equipment - I (R2031351)	Surface Water Hydrology (R2031352)	Post Harvest Engineering of Cereals, Pulses and Oilseeds (R2031353)	Professional Elective - I	Open Elective - I	.....	.....
				Seed Processing and Storage Engineering R203135A / Greenhouse Technology R203135B / Tractor Design and Testing R203135C	Principles of Soil Science and Agronomy R203135D / Farm Power and Tractor Systems R203135E / Soil and Water Conservation Engineering R203135F / Ground Water Hydrology, Wells and Pumps R203135G / Surface Water Hydrology R203135H / Post Harvest Engineering of Cereals Pulses and Oilseeds R203135I / Agricultural Process Engineering R203135J		



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY						
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)	19-07-2023 (Wednesday)
CSE (Artificial Intelligence and Machine Learning) (42)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AI DS),AIDS,AIML,CSD)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Software Engineering R203142A / Computer Vision R203142B / Data Visualization R203142C / DevOps R203142D / MOOC's-NPTEL R203142E	Optimization in Operations Research R203105E		
CSE (Artificial Intelligence) (43)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AI DS),AIDS,AIML,CSD)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Software Engineering R203142A / Computer Vision R203142B / Data Visualization R203142C / DevOps R203142D	Optimization in Operations Research R203105E		
CSE (Data Science) (44)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AI DS),AIDS,AIML,CSD)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Software Engineering R203142A / DevOps R203142D / Object Oriented Analysis and Design R203144A / Internet of Things R203144B	Optimization in Operations Research R203105E		
CSE (Artificial Intelligence and Data Science) (45)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AI DS),AIDS,AIML,CSD)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Software Engineering R203142A / Object Oriented Analysis and Design R203144A / Internet of Things R203144B / DevOps R203142D	Optimization in Operations Research R203105E		
CSE (Cyber Security) (46)	Computer Networks (R2031461) (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSB S)	Software Engineering (R2031462) (Common to CSE(CS),CS)	Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSIBCT, CSE(IOT),CS)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Computer Graphics R203146A / Artificial Intelligence R203146B / Compiler Design R203146C / Advanced Data Structures R203146D / Principles of Programming Languages R203146E	Web Technologies R203146F / Data Structures R203146G / Computer Networks R203146H / Data Base Management Systems R203146I/ Problem Solving using Python R203146J		



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY						
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)	19-07-2023 (Wednesday)
CSE (Internet of things and Cyber security including Block chain Technology) (47)	Computer Networks (R2031461) <small>(Common to CSE(CS),IOTCSIBCT, CSE(IOT),CS,CSBS)</small>	IoT Architecture and its Protocols (R2031471) <small>(Common to IOTCSIBCT,CSE(IOT))</small>	Design and Analysis of Algorithms (R2031463) <small>(Common to CSE(CS),IOTCSOBCT, CSE(IOT),CS)</small>	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Data Warehousing & Data Mining R203147A / Compiler Design R203146C / Software Engineering R203142A / Micro Processors & Micro Controllers R203147B / Computer Graphics R203146A	Web Technologies R203147C / Data Structures R203147D / Computer Networks R203147E / Data Base Management Systems R203147F / Problem Solving using Python R203147G / Open Electives offered by other Departments R203148D		
CSE (Internet of Things) (49)	Computer Networks (R2031461) <small>(Common to CSE(CS),IOTCSIBCT, CSE(IOT),CS,CSBS)</small>	IoT Architecture and its Protocols (R2031471) <small>(Common to IOTCSIBCT,CSE(IOT))</small>	Design and Analysis of Algorithms (R2031463) <small>(Common to CSE(CS),IOTCSOBCT, CSE(IOT),CS)</small>	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Compiler Design R203146C / Software Engineering R203142A / Computer Graphics R203146A / Principles of Programming Languages R203146E / Advanced Computer Architecture R203149A	Natural Language Processing R203149B / Data Structures R203149C / Computer Networks R203149D / Data Base Management System R203149E / Problem Solving using Python R203149F		
FOOD ENGINEERING (51)	Heat Transfer in Food Processing (R2031511)	Processing of Fruits Vegetables Spices and Plantation Crops (R2031512)	Food Plant Design and Process Economics (R2031513)	Transport Phenomena in Food Engineering R203151A / Statistical Methods in Food Engineering R203151B / Process Modeling and Simulation R203151C	Food Material Science and Engineering R203151D / Biochemical Engineering R203151E / Food Thermodynamics R203151F	.....	.....
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Compiler Design (R2031421) <small>(Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML, CSD)</small>	Operating Systems (R2031422) <small>(Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)</small>	Machine Learning (R2031423) <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)</small>	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / DevOps R203142D / Object Oriented Analysis and Design R203144A / Internet of Things R203144B	Optimization in Operations Research R203105E		
PHARMACEUTICAL ENGINEERING (55)	Managerial Economics and Financial Accountancy (R2031551)	Pharmaceutical Engineering-I (R2031552)	Biopharmaceutics and Pharmacokinetics (R2031553)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	Biostatistics R2031554	.....
				Quality Control and Assurance R203155A / Food Processing Technology R203155B / Pharmaceutical Biotechnology R203155C	Non-Conventional Energy Sources R203155D / Introduction to Data Structures R203155E / Design and Analysis of Experiments R203155F		



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023
TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY						
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)	19-07-2023 (Wednesday)
CYBER SECURITY (59)	Computer Networks (R2031461) (Common to CSE(CS),IOTCSIBCT, CSE(IOT),CS,CSBS)	Software Engineering (R2031462) (Common to CSE(CS),CS)	Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOBCT, CSE(IOT),CS)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Computer Graphics R203146A / Artificial Intelligence R203146B / Compiler Design R203146C / Advanced Data Structures R203146D / Principles of Programming Languages R203146E	Web Technologies R203146F / Data Structures R203146G / Computer Networks R203146H / Data Base Management Systems R203146I / Problem Solving using Python R203146J		
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML, CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....	.....
				Software Engineering R203142A / Computer Vision R203142B / Data Visualization R203142C / DevOps R203142D / MOOC's/NPTEL R203142E	Optimization in Operations Research R203105E		

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

H. R. K. K. K.

Controller of Examinations

DATE: 14-06-2023



II B.TECH I SEMESTER (R16)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R16 REGULATIONS) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE AND DAY					
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)	15-07-2023 (Saturday)
CIVIL ENGINEERING (01- CE)	FLUID MECHANICS	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (COM. TO CE, CHEM,PE,PEC)	PROBABILITY & STATISTICS (COM TO CE, MET)	STRENGTH OF MATERIALS-I	SURVEYING	BUILDING MATERIALS AND CONSTRUCTION
ELECTRICAL AND ELECTRONICS ENGINEERING (02 - EEE)	ELECTRICAL CIRCUIT ANALYSIS-II	THERMAL AND HYDRO PRIME MOVERS	BASIC ELECTRONICS AND DEVICES	ELECTRICAL MACHINES-I	ELECTRO MAGNETIC FIELDS	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,ECC,AE,BOT,AME,MIN)
MECHANICAL ENGINEERING (03 - ME)	METALLURGY & MATERIALS SCIENCE (COM TO ME, AME)	THERMODYNAMIC (COM TO ME, AE,AME)	----	MECHANICS OF SOLIDS (COM TO ME,AE,AME)	FLUID MECHANICS & HYDRAULIC MACHINES (COM TO ME,MIN)	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,ECC,AE,BOT,AME,MIN)
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)	NETWORK ANALYSIS (COM. TO ECE,ECC,EIE)	SWITCHING THEORY AND LOGIC DESIGN (COM TO ECE,ECC,EIE)	ELECTRONIC DEVICES AND CIRCUITS (COM TO ECE,ECC,EIE)	RANDOM VARIABLES AND STOCHASTIC PROCESS	SIGNALS & SYSTEMS (COM TO ECE,ECC,EIE)	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,ECC,AE,BOT,AME,MIN)
COMPUTER SCIENCE & ENGINEERING (05 - CSE)	STATISTICS WITH R PROGRAMMING (COM. TO CSE,IT)	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE AND ENGINEERING (COM TO CSE,IT)	DATA STRUCTURES THROUGH C++ (COM TO CSE,IT)	COMPUTER GRAPHICS	DIGITAL LOGIC DESIGN (COM TO CSE,IT)	PYTHON PROGRAMMING (COM TO CSE,IT)

CONTINUED ON PAGE - 2

II B.TECH I SEMESTER (R16)

PAGE-2

BRANCH	DATE AND DAY					
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)	15-07-2023 (Saturday)
CHEMICAL ENGINEERING (08 - CHEM)	COMPLEX VARIABLES (COM TO CHEM,PE,PCE)	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (COM TO CE, CHEM,PE,PEC)	ORGANIC CHEMISTRY (COM TO CHEM,PCE)	PHYSICAL CHEMISTRY (COM TO CHEM, PCE)	CHEMICAL PROCESS CALCULATIONS (COM TO CHE,PE,PCE)	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,EC C,AE,BOT,AME,MIN)
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10- EIE)	NETWORK ANALYSIS (COM. TO ECE,ECC,EIE)	SWITCHING THEORY AND LOGIC DESIGN (COM TO ECE,ECC,EIE)	ELECTRONIC DEVICES AND CIRCUITS (COM TO ECE,ECC,EIE)	TRANSDUCER TECHNOLOGY	SIGNALS & SYSTEMS (COM TO ECE,ECC,EIE)	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,EC C,AE,BOT,AME,MIN)
INFORMATION TECHNOLOGY (12 - IT)	STATISTICS WITH R PROGRAMMING (COM. TO CSE,IT)	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE AND ENGINEERING (COM TO CSE,IT)	DATA STRUCTURES THROUGH C++ (COM TO CSE,IT)	SOFTWARE ENGINEERING (COM TO IT,ECC)	DIGITAL LOGIC DESIGN (COM TO CSE,IT)	PYTHON PROGRAMMING (COM TO CSE,IT)
METALLURGICAL ENGINEERING (17-MET)	METALLURGICAL THERMODYNAMICS-I	MECHANICS OF SOLID AND FLUIDS	PROBABILITY & STATISTICS (COM TO CE,MET)	POLYMERS	PRINCIPLES OF EXTRACTIVE METALLURGY	PHYSICAL METALLURGY
ELECTRONICS AND COMPUTER ENGINEERING (19 - ECC)	NETWORK ANALYSIS (COM. TO ECE,ECC,EIE)	SWITCHING THEORY AND LOGIC DESIGN (COM TO ECE,ECC,EIE)	ELECTRONIC DEVICES AND CIRCUITS (COM TO ECE,ECC,EIE)	SOFTWARE ENGINEERING (COM TO IT,ECC)	SIGNALS & SYSTEMS (COM TO ECE,ECC,EIE)	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,EC C,AE,BOT,AME,MIN)
AERONUTICAL ENGINEERING (21 - AE)	ELEMENTS OF AEROSPACE ENGINEERING	THERMODYNAMIC (COM TO ME,AE,AME)	----	MECHANICS OF SOLIDS (COM TO ME,AE,AME)	MECHANICS OF FLUIDS	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,EC C,AE,BOT,AME,MIN)

CONTINUED ON PAGE – 3

BRANCH	DATE AND DAY					
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)	15-07-2023 (Saturday)
BIO-TECHNOLOGY (23 - BIO)	MATHEMATICS-III	BIOCHEMISTRY	BIOCHEMICAL THERMODYNAMICS	MICRO BIOLOGY	CELL BIOLOGY	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,E CC,AE,BOT,AME,MIN)
AUTO MOBILE ENGG. (AME-24)	METALLURGY & MATERIALS SCIENCE (COM.TO ME,AME)	THERMODYNAMIC (COM TO ME,AE,AME)	----	MECHANICS OF SOLIDS (COM TO ME,AE,AME)	AUTOMOTIVE ENGINES	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,E CC,AE,BOT,AME,MIN)
MINING ENGINEERING (26-MM)	MINING GEOLOGY-I	THERMAL ENGINEERING FOR MINING	----	DEVELOPMENT OF MINERAL DEPOSITS	FLUID MECHANICS & HYDRAULIC MACHINES (COM.TO CHEM,PCE)	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS (COM TO EEE,ME,ECE,CHEM,EIE,E CC,AE,BOT,AME,MIN)
PETROLEUM ENGINEERING (27-PE)	COMPLEX VARIABLES (COM.TO CHEM,PE,PCE)	BASIC ELECTRICAL AND ELECTRONIS ENGINEERING (COM,TO CE,CHEM,PE,PEC)	GENERAL GEOLOGY	SURVEYING AND OFFSHORE STRUCTURES	CHEMICAL PROCESS CALCULATIONS (COM.TO CHEM,PE,PCE)	MATERIAL SCIENCE & ENGINEERING (COM TO PE,PCE)
PETROCHEMICAL ENGINEERING (28-PCE)	COMPLEX VARIABLES (COM.TO CHEM,PE,PCE)	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (COM,TO CE,CHEM,PE,PEC)	ORGANIC CHEMISTRY (COM.TO CHEM.PCE)	PHYSICAL CHEMISTRY (COM..TO CHEM,PCE)	CHEMICAL PROCESS CALCULATIONS (COM.TO CHEM,PE,PCE)	MATERIAL SCIENCE & ENGINEERING (COM TO PE,PCE)
AGRICULTURAL ENGINEERING (35-AGE)	FLUID MECHANICS AND OPEN CHANEEL HYDRAULICS	RENEWABLE ENERGY SOURCES	GROUND WATER HYDROLOGY, WELL AND PUMPS	ELECTRICAL SYSTEMS	PROPERTIES AND STRENGTH OF MATERIALS	SURVEYING

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 14 -06-2023

H. R. K. K.
Controller of Examinations

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

TIME TABLE FOR II B.TECH I SEMESTER SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS R13 TO R16 REGULATIONS

DATE OF EXAMINATION: 07.07.2023 (Friday)	TIME OF EXAMINATION: 02.00 PM TO 05.00 PM	
Branch	Subject Already Studied	Substituted Subject
MECHANICAL ENGINEERING (03 - ME)	----	Basic Electrical and Electronics Engineering
COMPUTER SCIENCE & ENGINEERING (05 - CSE)	----	Object Oriented Programming Through C++

TIME TABLE FOR II B.TECH I SEMESTER SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS R13 TO R16 REGULATIONS

DATE OF EXAMINATION: 15.07.2023 (Saturday)	TIME OF EXAMINATION: 02.00 PM TO 05.00 PM	
Branch	Subject Already Studied	Substituted Subject
CIVIL ENGINEERING (01- CE)	Professional Ethics & Human Values	Elements of Mechanical Engineering
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)	---	Electrical and Mechanical Technology

NOTE:

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DATE: 14 -06-2023


Controller of Examinations



II B.TECH I SEMESTER (R19)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B TECH - I SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

T I M E T A B L E

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE					
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)	15-07-2023 (Saturday)
CIVIL ENGINEERING (01-CE)	Complex Variables and Statistical Methods R1921011	Strength of Materials-I R1921012	Fluid Mechanics R1921013	Surveying and Geometrics R1921014	Building Materials, Construction and Planning R1921015	Transportation Engineering-I R1921016
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Electrical Circuit Analysis - II R1921021	Electrical Machines-I R1921022	Electronic Devices and Circuits R1921023	Electro Magnetic Fields R1921024	Thermal and Hydro Prime movers R1921025	Managerial Economics & Financial Analysis R1921026 (Common to EEE,ECE,EIE,MM)
MECHANICAL ENGINEERING (03-ME)	Vector Calculus & Fourier Transforms R1921031	Mechanics of Solids R1921032 (Common to ME,AME)	Material Science & Metallurgy R1921033	Production Technology R1921034	Thermodynamics R1921035 (Common to ME,AME)	Machine Drawing R1921036
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Electronic Devices and Circuits R1921041 (Common to ECE,EIE)	Switching Theory and Logic Design R1921042 (Common to ECE,EIE)	Signals and Systems R1921043 (Common to ECE,EIE)	Random Variables and Stochastic Processes R1921044	Object Oriented Programming through Java R1921045	Managerial Economics & Financial Analysis R1921026 (Common to EEE,ECE,EIE,MM)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Mathematical Foundations of Computer Science R1921051	Software Engineering R1921052	Python Programming R1921053 (Common to CSE,IT)	Data Structures R1921054 (Common to CSE,IT)	Computer Organization R1921056 (Comm to CSE,IT)	Object Oriented Programming through C++ R1921055



II B.TECH I SEMESTER (R19)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B TECH - I SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

T I M E T A B L E

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE					
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)	15-07-2023 (Saturday)
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Electronic Devices and Circuits R1921041 (Common to ECE,EIE)	Switching Theory and Logic Design R1921042 (Common to ECE,EIE)	Signals and Systems R1921043 (Common to ECE,EIE)	Transducer Technology R1921101	Data structures R1921102	Managerial Economics & Financial Analysis R1921026 (Common to EEE,ECE,EIE,MM)
INFORMATION TECHNOLOGY (12-IT)	Discrete Mathematical Structures R1921121	Principles of Software Engineering R1921122	Python Programming R1921053 (Common to CSE,IT)	Data Structures R1921054 (Common to CSE,IT)	Computer Organization R1921056 (Comm to CSE,IT)	Object Oriented Programming through C++ R1921123
AUTO MOBILE ENGINEERING (24-AME)	Metallurgy & Materials Science R1921241	Mechanics of Solids R1921032 (Common to ME,AME)	Fluid Mechanics & Hydraulic Machines R1921242 (Common to AME,MM)	Basic elements of Automobile Chassis R1921243	Thermodynamics R1921035 (Common to ME,AME)	....



II B.TECH I SEMESTER (R19)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B TECH - I SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

T I M E T A B L E

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE					
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)	15-07-2023 (Saturday)
MINING ENGINEERING (26-MM)	Development of Mineral Deposits R1921261	Mine Surveying-I R1921262	Fluid Mechanics & Hydraulic Machines R1921242 (Common to AME,MM)	Mining Geology –I R1921263	....	Managerial Economics & Financial Analysis R1921026 (Common to EEE,ECE,EIE,MM)
PETROLEUM ENGINEERING/PET ROLEUM TECHNOLOGY (27-PE)	Mathematics- IV R1921271	Basic Electrical & Electronics Engineering R1921272	Materials Science & Engineering R1921273	Elements of Mechanical Engineering R1921274	Petroleum Geology R1921275	Chemical Process Principles R1921276
AGRICULTURAL ENGINEERING (35-AGE)	Mathematics - III R1921351	Fluid Mechanics and Open Channel Hydraulic R1921352	Renewable Energy Sources R1921353	Ground Water Hydrology, Well and Pumps R1921354	Properties and Strength of Materials R1921355	Electrical Systems R1921356

NOTE:

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DATE: 14-06-2023

Controller of Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE				
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)
CIVIL ENGINEERING (01-CE)	Mathematics -III R2021011 (Except EEE,FE)	Strength of Materials-I R2021012	Fluid Mechanics R2021013	Surveying and Geometrics R2021014	Highway Engineering R2021015
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Mathematics – IV R2021021	Electronic Devices and Circuits R2021022	Electrical Circuit Analysis –II R2021023	DC Machines and Transformers R2021024	Electro Magnetic Fields R2021025
MECHANICAL ENGINEERING (03-ME)	Mathematics -III R2021011 (Except EEE,FE)	Mechanics of Solids R2021031 (Common to ME,AME)	Production Technology R2021033	Fluid Mechanics & Hydraulic Machines R2021032 (Comm to ME,AME)	Kinematics of Machinery R2021034
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Mathematics -III R2021011 (Except EEE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT)	Signals and Systems R2021043 (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes R2021044 (Common to ECE,ECT)
COMPUTER SCIENE & ENGINEERING (05-CSE)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE, CST, CSE (AIML),AI,DS,CSE(AIDS),CSE (CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Object Oriented Programming through C++ R2021051 (Common to CSE,IT)	Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT,CS)	Software Engineering R2021053
COMPUTER SCIENE & TECHNOLOGY (06)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures R2021061 (Common to CST,CSE (CS),CS,OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE				
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Mathematics -III R2021011 (Except EEE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT)	Signals and Systems R2021043 (Common to ECE,EIE,ECT)	Electronic Measurements and Instrumentation R2021101
INFORMATION TECHNOLOGY (12-IT)	Mathematics -III R2021011 (Except EEE,FE)	Discrete Mathematics and Graph Theory R2021122	Object Oriented Programming through C++ R2021051 (Common to CSE, IT)	Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Database Management Systems R2021121 (Common to IT,CSE(AIML), AIDS,CSE(AIDS), AIDS,AIML,CSD)
ELECTRONICS & COMMUNICATION TECHNOLOGY (14)	Mathematics -III R2021011 (Except EEE,FE)	Electronic Devices and Circuits R2021041 (Common to ECE,EIE,ECT)	Switching Theory and Logic Design R2021042 (Common to ECE,EIE,ECT)	Signals and Systems R2021043 (Common to ECE,EIE,ECT)	Random Variables and Stochastic Process R2021044 (Common to ECE,ECT)
AUTO MOBILE ENGINEERING (24-AME)	Mathematics -III R2021011 (Except EEE,FE)	Mechanics of Solids R2021031 (Common to ME,AME)	Thermodynamics R2021241	Fluid Mechanics & Hydraulic Machines R2021032 (Comm to ME,AME)	Components of Automobile Chassis R2021242
MINING ENGINEERING (26-MM)	Mathematics -III R2021011 (Except EEE,FE)	Development of Mineral Deposits R2021261	Mine Surveying R2021262	Engineering and Economic Geology R2021263	Mineral Processing Technology R2021264
PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)	Mathematics -III R2021011 (Except EEE,FE)	Petroleum Geology R2021271	Fluid Mechanics for Petroleum Engineers R2021272	Heat Transfer Operations R2021273	Material and Energy Balances R2021274



II B.TECH I SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE				
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)
AGRICULTURAL ENGINEERING (35-AGE)	Mathematics -III R2021011 (Except EEE,FE)	Surveying and Leveling R2021351	Fluid Mechanics and Open Channel Hydraulics R2021352	Properties and Strength of Materials R2021353	Farm Power and Tractor Systems R2021354
CSE (Artificial Intelligence and Machine Learning) (42)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Machine Learning R2021421 (Common to CSE(AIML), AIML)	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),AI,DS,CSE(AIDS), AIDS,AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML),AI,DS, CSE(AIDS), AIDS,AIML,CSD)
CSE (Artificial Intelligence) (43)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence R2021431	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
CSE (Data Science) (44)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Fundamentals of Data Science R2021441	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
CSE (Artificial Intelligence and Data Science) (45)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CS,IOTCSBT,CSBS,IOT, AIDS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science R2021451 (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS, AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE				
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)
CSE (Cyber Security) (46)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML), AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures R2021061 (Common to CST,CSE(CS)CS, OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
CSE (Internet of things and Cyber security including Block chain Technology) (47)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST, CSE(AIML),AIDS,CSE(AIDS), CSE(CS),IOTCSBT,CSBS,IOT, AIDS,CS,AIML,IOT,CSD)	Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
CSE (Computer Science and Business System) (48)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CS,IOTCSBT,CSBS, IOT,AIDS,AIML)	Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Formal Languages & Automata Theory R2021481	Computer Organization & Architecture R2021482
CSE (Internet of Things) (49)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,A IDS,CS,AIML,IOT,CSD)	Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
FOOD ENGINEERING (51)	Probability and Statistics R2021511	Principles of Food Engineering -I R2021512	Mechanical Operations in Food Processing R2021513	Fluid Mechanics in Food Processing R2021514	Food Microbiology R2021515



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE				
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science R2021451 (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),AIDS,CSE(AIDS), AIDS,AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML) AIDS,CSE(AIDS), AIDS,AIML, CSD)
PHARMACEUTICAL ENGINEERING (55)	Mathematics – III R2021011 (Except EEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology R2021551	Material and Energy Balance Computations R2021552	Fluid Mechanics and Mechanical Unit Operations R2021553	Thermodynamics for pharmaceutical Engineers R2021554
CYBER SECURITY (59)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT, CSBS,IOT,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT,CS,,IOT)
INTERNET OF THINGS (60)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML, IOT, CSD)	Data Structures R2021061 (Common to CST,CSE(CS)CS,OITCSBT,C SBS,IOT,CS,IOT)	Operating Systems R2021052 (Common to CSE,CST,IT,CS,IOTCSBT,IO T)	Java Programming R2021062 (Comm to CST,CSE(CS),OITCSBT,IOT, CS,IOT)
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST, CSE (AIML),AIDS,CSE(AIDS),CSE(CS), IOTCSBT,CSBS,IOT,AIDS,CS,AIMLIOT,CS D)	Introduction to Artificial Intelligence and Machine Learning R2021421 (Common to CSE(AIML),AIML)	Object Oriented Programming with Java R2021422 (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS, AIML)	Database Management Systems R2021121 (Common to IT,CSE(AIML) AIDS,CSE(AIDS), AIDS,AIML, CSD)



II B.TECH I SEMESTER (R20)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH I SEMESTER (R20 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DAY AND DATE				
	03-07-2023 (Monday)	05-07-2023 (Wednesday)	07-07-2023 (Friday)	11-07-2023 (Tuesday)	13-07-2023 (Thursday)
COMPUTER SCIENCE AND DESIGN (62)	Mathematics -III R2021011 (Except EEE,FE)	Mathematical Foundations of Computer Science R2021054 (Comm to CSE,CST, CSE (AIML),AI,DS,CSE(AIDS),CSE(CS),OT CSBT,CSBS,IOT,AIDS,CS,AIML,IOT, CSD)	Computer Graphics R2021621	Multimedia and Application Development R2021622	Database Management Systems R2021121 (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML,CSD)

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 PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 14-06-2023

Controller of Examinations



II. B.TECH II SEMESTER (R16)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH - II SEMESTER (R16 REGULATIONS) SUPPLEMENTARY EXAMINATIONS, JULY – 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

BRANCH	DATE AND DAY					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
CIVIL ENGINEERING (01- CE)	BUILDING PLANNING AND DRAWING	HYDRAULICS AND HYDRAULIC MACHINERY	TRANSPORTATION ENGINEERING-I	CONCRETE TECHNOLOGY	STRUCTURAL ANALYSIS - I	STRENGTH OF MATERIALS- II
ELECTRICAL AND ELECTRONICS ENGINEERING (02 - EEE)	MANAGEMENT SCIENCE (EEE,ECE,ECC)	SWITCHING THEORY AND LOGIC DESIGN	ELECTRICAL MEASUREMENTS	CONTROL SYSTEMS	POWER SYSTEMS-I	ELECTRICAL MACHINES-II
MECHANICAL ENGINEERING (03 - ME)	KINEMATICS OF MACHINERY (Com. to ME, AME, MM)	THERMAL ENGINEERING – I(Com. to ME,AME)	PRODUCTION TECHNOLOGY (Com. to ME, AME)	DESIGN OF MACHINE MEMBERS-I	INDUSTRIAL ENGINEERING AND MANAGEMENT(Com. to ME, AE,AME,Min E)	MACHINE DRAWING (Com. to ME, AME)
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)	MANAGEMENT SCIENCE (EEE,ECE,ECC)	PULSE AND DIGITAL CIRCUITS (Com. to ECE,EIE,ECC)	EM WAVES AND TRANSMISSION LINES (Com. to ECE, EIE)	ELECTRONIC CIRCUIT ANALYSIS (Com. to ECE, EIE)	CONTROL SYSTEMS (Com. to ECE,EIE,ECC)	ANALOG COMMUNICATIONS
COMPUTER SCIENCE & ENGINEERING (05 - CSE)	SOFTWARE ENGINEERING	JAVA PROGRAMMING (Com. to CSE, IT)	ADVANCED DATA STRUCTURES	COMPUTER ORGANIZATION (Com. to CSE, IT, ECC)	FORMAL LANGUAGES AND AUTOMATA THEORY	PRINCIPLES OF PROGRAMMING LANGUAGES (Com. to CSE,IT)

CONTINUED ON PAGE – 2

II. B.TECH II SEMESTER (R16)

BRANCH	DATE AND DAY					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
ELECTRONICS & INSTRUMENTATION ENGINEERING (10- EIE)	SIGNAL CONDITIONING	PULSE AND DIGITAL CIRCUITS (Com. to ECE,EIE,ECC)	ELECTRO MAGNETIC WAVES AND TRANSMISSION LINES (Com. to ECE, EIE)	ELECTRONIC CIRCUIT ANALYSIS (Com. to ECE, EIE)	CONTROL SYSTEMS Com. to ECE,EIE,ECC)	PRINCIPLES OF COMMUNICATION (Com. to EIE, ECC)
INFORMATION TECHNOLOGY (12 - IT)	COMPUTER GRAPHICS	JAVA PROGRAMMING (Com. to CSE, IT)	OBJECT ORIENTED ANALYSIS AND DESIGN USING UML	COMPUTER ORGANIZATION (Com. to CSE, IT, ECC)	E-COMMERCE	PRINCIPLES OF PROGRAMMING LANGUAGES(Com. to CSE,IT)
ELECTRONICS AND COMPUTER ENGINEERING (19 - ECC)	MANAGEMENT SCIENCE (EEE,ECE,ECC)	PULSE AND DIGITAL CIRCUITS (Com. to ECE,EIE,ECC)	OBJECT ORIENTED PROGRAMMING	COMPUTER ORGANIZATION (Com. to CSE, IT, ECC)	CONTROL SYSTEMS (Com. to ECE,EIE,ECC)	PRINCIPLES OF COMMUNICATION (Com. to EIE, ECC)
AERONUTICAL ENGINEERING (21 - AE)	AIRCRAFT SYSTEM AND INSTRUMENTS	APPLIED THERMODYNAMICS	ELEMENTS OF HEAT TRANSFER	MANUFACTURING TECHNOLOGY	INDUSTRIAL ENGINEERING AND MANAGEMENT(Com. to ME, AE,AME,Min E)	AERODYNAMICS -I

CONTINUED ON PAGE – 3

BRANCH	DATE AND DAY					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
AUTO MOBILE ENGG. (AME-24)	KINEMATICS OF MACHINERY (Com. to ME, AME, MM)	THERMAL ENGINEERING-I (Com. to ME, AME)	PRODUCTION TECHNOLOGY (Com. to ME, AME)	FLUID MECHANICS AND HYDRAULIC MACHINERY	INDUSTRIAL ENGINEERING AND MANAGEMENT (Com. to ME, AE, AME, Min E)	MACHINE DRAWING (Com. to ME, AM, MM)
MINING – (26-MM)	KINEMATICS OF MACHINERY (Com. to ME, AME, MM)	MATERIAL ENGINEERING	SURFACE MINING	MINE SURVEYING -I	INDUSTRIAL ENGINEERING AND MANAGEMENT (Com. to ME, AE, AME, Min E)	MINING GEOLOGY II
PETROLEUM ENGINEERING (27-PE)	PROBABILITY AND STATISTICS	PETROLEUM EXPLORATION	THERMODYNAMICS FOR PETROLEUM ENGINEERS	PETROLEUM GEOLOGY	PROCESS HEAT TRANSFER	MOMENTUM TRANSFER
AGRICULTURAL ENGINEERING (35-AGE)	HEAT AND MASS TRANSFER	THEORY OF MACHINES	FARM POWER AND TRACTOR SYSTEMS	SURFACE WATER HYDROLOGY	SOIL MECHANICS	THEORY OF STRUCTURES

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DATE: 16-06-2023

H. R. K. K. K.
Controller of Examinations

TIME TABLE OF II B.TECH II SEMESTER ADITIONAL SUBJECTS FOR READMITTED STUDENTS FROM R16 REGULATIONS

DATE OF EXAMINATION: 17-07-2023 (Monday)		TIME OF EXAMINATION: 10.00 AM TO 01.00 PM
BRANCH	SUBJECT ALREADY STUDIED	SUBSTITUTED SUBJECT
COMPUTER SCIENCE & ENGINEERING (05 - CSE)	-----	OBJECT ORIENTED PROGRAMMING THROUGH C++ (AR161215)

TIME TABLE OF II B.TECH II SEMESTER SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS FROM R16 REGULATIONS

DATE OF EXAMINATION: 17-07-2023(Monday)		TIME OF EXAMINATION: 10.00 AM TO 01.00 PM
BRANCH	SUBJECT ALREADY STUDIED	SUBSTITUTED SUBJECT
MECHANICAL ENGINEERING (03 - ME)	PROFESSIONAL ETHICS AND HUMAN VALUES	FLUID MECHANICS & HYDRAULIC MACHINERY (P1622031)

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DATE: 16-06-2023


Controller of Examinations



II B.TECH II SEMESTER (R19)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH - II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
CIVIL ENGINEERING (01-CE)	Strength of Materials-II R1922011	Hydraulics and Hydraulic Machinery R1922012	Engineering Geology R1922013	Transportation Engineering - II R1922014	Environmental Engineering - I R1922015	.....
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Electrical Measurements & Instrumentation R1922021	Electrical Machines-II R1922022	Digital Electronics R1922023	Control Systems R1922024	Power Systems-I R1922025	Signals and Systems R1922026
MECHANICAL ENGINEERING (03-ME)	Complex Variables & Statistical Methods R1922031	Kinematics of Machinery R1922032 (Common to ME,AME)	Applied Thermodynamics R1922033	Fluid Mechanics & Hydraulic Machines R1922034	Metal Cutting & Machine Tools R1922035	Design of Machine Members-I R1922036
ELECTRONICS & COMMUNICATION ENGINEERING (04-ECE)	Electronic Circuit Analysis R1922041	Linear Control Systems R1922042	Electromagnetic Waves and Transmission Lines R1922043	Analog Communications R1922044	Computer Architecture and Organization R1922045	Management and Organizational Behavior R1922046
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Probability and Statistics R1922051 (Common to CSE,IT)	Java Programming R1922052 (Common to CSE,IT)	Operating Systems R1922053	Database Management Systems R1922054 (Common to CSE,IT)	Formal Languages and Automata Theory R1922055	.....
INFORMATION TECHNOLOGY (12-IT)	Probability and Statistics R1922051 (Common to CSE,IT)	Java Programming R1922052 (Common to CSE,IT)	Operating Systems R1922121	Database Management Systems R1922054 (Common to CSE,IT)	Theory of Computation R1922122	.....
AUTO MOBILE ENGINEERING (24-AME)	Applied Thermodynamics R1922241	Kinematics of Machinery R1922032 (Common to ME,AME)	Automotive Engines R1922242	Production Technology R1922243	Automotive Electrical and Electronics R1922244	Automobile Assembly Drawing R1922245



II B.TECH II SEMESTER (R19)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

II B.TECH - II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

TIME TABLE

TIME : 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE					
	04-07-2023 (Tuesday)	06-07-2023 (Thursday)	10-07-2023 (Monday)	12-07-2023 (Wednesday)	14-07-2023 (Friday)	17-07-2023 (Monday)
MINING ENGINEERING (26-MM)	Drilling and Blasting R1922261	Mechanics of Solids R1922262	Mining Geology –II R1922263	Mine Surveying – II R1922264	Surface Mining R1922265	Mine Environmental Engineering-I R1922266
PETROLEUM ENGINEERING/ PETROLEUM TECHNOLOGY (27-PE)	Fluid Mechanics for Petroleum Engineers R1922271	Thermodynamics for Petroleum Engineers R1922272	Process Instrumentation R1922273	Petroleum Exploration R1922274	Petroleum Reservoir Engineering – I R1922275	Process Heat Transfer R1922276
AGRICULTURAL ENGINEERING (35-AGE)	Theory of Structures R1922351	Heat and Mass Transfer R1922352	Theory of Machines R1922353	Soil Mechanics R1922354	Surface Water Hydrology R1922355	Farm Power and Tractor Systems R1922356

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