

INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)
Hyderabad | PIN: 500068

# 2.5 Evaluation Process and Reforms:

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

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Andhra Pradesh Act Nt. 30 of 2008) Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

#### ACADEMIC REGULATIONS R15 FOR B. TECH. (REGULAR)

Applicable for the students of B. Tech. (Regular) from the Academic Year 2015-16 and onwards

#### Award of B. Tech. Degree

1.

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

- 1.1 The candidate shall pursue a course of study for not less than four academic years and not more than eight academic years.
- 1.2 After eight academic years of course of study, the candidate is permitted to write the examinations for two more years.
- 1.3 The candidate shall register for 224 credits and secure 216 credits. The student can avail exemption of two subjects up to 8 credits, that is, one open elective and one elective subject or two elective subjects, with compulsory subjects as listed in Table-1.

Table 1: Compulsory Subjects

Serial Number	Subject Particulars
1	All practical subjects
2	Industry oriented mini project
3	Comprehensive Viva-Voce
4	Seminar
5	Project work

The students, who fail to fulfill all the academic requirements for the award of the degree within ten academic years from the year of their admission, shall forfeit their seats in B. Tech. course.

#### 3 Courses of study

The following courses of study are offered at present as specializations for the B. Tech. Course

Branch Code	Branch	
01	Civil Engineering	
02	Electrical and Electronics Engineering	
03	Mechanical Engineering	
04	Electronics and Communication Engineering	
05	Computer Science and Engineering	
08	Chemical Engineering	
10	Electronics and Instrumentation Engineering	
11	Bio-Medical Engineering	
12	Information Technology	
14	Mechanical Engineering (Mechatronics)	
17	Electronics and Telematics Engineering	
18	Metallurgy and Material Technology	
19	Electronics and Computer Engineering	
20	Mechanical Engineering (Production)	
21	Aeronautical Engineering	
22	Instrumentation and Control Engineering	
23	Biotechnology	
24	Automobile Engineering	
25	Mining Engineering	
27	Petroleum Engineering	
28	Civil and Environmental Engineering	
29	Mechanical Engineering (Nano Technology)	
31	Computer Science & Technology	
	Pharmaceutical Eng. pering	



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#### Credits

•	Year		Semester	
· ·	Periods / Week	Credits	Periods / Week	Credits
Theory	03+1/03	06	04	04
	02	04		
Practical	03	04	03	02
Drawing	02+03	06	03 06	02 04
Mini Project				02
Comprehensive Viva Voce	(me)			02
Seminar			6	02
Project			15	10

#### 5 Distribution and Weightage of Marks

- 5.1 The performance of a student in each semester or I year shall be evaluated subject-wise for a maximum of 100 marks for a theory and 75 marks for a practical subject. In addition, industry-oriented mini-project, seminar and project work shall be evaluated for 50, 50 and 200 marks, respectively.
- 5.2 For theory subjects the distribution shall be 25 marks for Internal Evaluation and 75 marks for the End-Examination.
- 5.3 For theory subjects, during a semester there shall be 2 mid-term examinations. Each mid-term examination consists of one objective paper, one essay paper and one assignment. The objective paper and the essay paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for essay paper). The Objective paper is set with 20 bits of multiple choice, fillin the blanks and matching type of questions for a total of 10 marks. The essay paper shall contain 4 full questions (one from each unit) out of which, the student has to answer 2 questions, each carrying 5 marks. While the first mid-term examination shall be conducted on 1 to 2.5 units of the syllabus, the second mid-term examination shall be conducted on 2.5 to 5 units. Five (5) marks are allocated for Assignments (as specified by the subject teacher concerned). The first Assignment should be submitted before the conduct of the first mid-examination, and the second Assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each candidate. However, in the I year, there shall be 3 mid term examinations, each for 25 marks, along with 3 assignments in a similar pattern as above (1st mid shall be from Unit-I, 2<sup>nd</sup> mid shall be 2 &3 Units and 3<sup>rd</sup> mid shall be 4 & 5 Units) and the average marks of the examinations secured (each evaluated for a total of 25 marks) in each subject shall be considered to be final marks for the internals/sessionals. If any candidate is absent from any subject of a mid-term examination, an on-line test will be conducted for him by the University.

The details of the Question Paper pattern is as follows:

- The End semesters Examination will be conducted for 75 marks which consists of two parts viz. i).
   Part-A for 25 marks, ii). Part -B for 50 marks.
- Part-A is compulsory question which consists of ten sub-questions. The first five sub-questions are from each unit and carries 2 marks each. The next five sub-questions are one from each unit and carries 3 marks each.
- Part-B consists of five Questions (numbered from 2 to 6) carrying 10 marks each. Each of these
  questions is from one unit and may contain sub-questions. For each question there will be an
  "either" "or" choice (that means there will be two questions from each unit and the student should
  answer any one question)
- 5.4 For practical subjects there shall be a continuous evaluation during a semester for 25 sessional marks and 50 end semester examination marks. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. The end semester examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.
- 5.5 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 semester examination. There shall be two internal tests in a Semester and the average of the two shall be considered for the award of marks for internal tests. However, in the I year class, there shall be three tests and the average will be taken into consideration.

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- 5.6 There shall be an industry-oriented Mini-Project, in collaboration with an industry of their specialization, to be taken up during the vacation after III year II Semester examination: However, the mini-project and its report shall be evaluated along with the project work in IV year II Semester. The industry oriented mini-project shall be submitted in a report form and presented before the committee. It shall be evaluated for 50-marks. The committee consists of an external examiner, head of the department, the supervisor of the mini-project and a senior faculty member of the department. There shall be no internal marks for industry-oriented mini-project.
- 5.7: There shall be a seminar presentation in IV year II Semester. For the seminar, the student shall collect the information on a specialized topic and prepare a technical report, showing his understanding of the topic, and submit it to the department. It shall be evaluated by the departmental committee consisting of head of the department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 50 marks. There shall be no external examination for the seminar.
- There shall be a Comprehensive Viva-Voce in IV year II semester. The Comprehensive Viva-Voce will be conducted by a Committee consisting of Head of the Department and two Senior Faculty members of the Department. The Comprehensive Viva-Voce is intended to assess the student's understanding of the subjects he studied during the B. Tech. course of study. The Comprehensive Viva-Voce is evaluated for 100 marks by the Committee. There are no internal marks for the Comprehensive Viva-Voce.
- 5.9 Out of a total of 200 marks for the project work, 50 marks shall be allotted for Internal Evaluation and 150 marks for the End Semester Examination (Viva Voce). The End Semester Examination of the project work shall be conducted by the same committee as appointed for the industry-oriented mini-project. In addition, the project supervisor shall also be included in the committee. The topics for industry oriented mini project, seminar and project work shall be different from one another. The evaluation of project work shall be made 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.
- 5.10 The Laboratory marks and the sessional marks awarded by the College are subject to scrutiny and scaling by the University wherever necessary. In such cases, the sessional and laboratory marks awarded by the College will be referred to a Committee. The Committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendations of the Committee are final and binding. The laboratory records and internal test papers shall be preserved in the respective institutions as per the University rules and produced before the Committees of the University as and when asked for.

#### 6 Attendance Requirements

- 6.1 A student is eligible to write the University examinations only if he acquires a minimum of 75% of attendance in aggregate of all the subjects.
- 6.2 Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester or I year may be granted by the College Academic Committee
- 6.3 Shortage of Attendance below 65% in aggregate shall not be condoned.
- 6.4 A student who is short of attendance in semester / I year may seek re-admission into that semester/I year when offered within 4 weeks from the date of the commencement of class work.
- 6.5 Students whose shortage of attendance is not condoned in any semester/I year are not eligible to write their end semester examination of that class and their registration stands cancelled.
- 6.6 A stipulated fee shall be payable towards condonation of shortage of attendance.
- 6.7 A student will be promoted to the next semester if he satisfies the attendance requirement of the present semester/I year, as applicable, including the days of attendance in sports, games, NCC and NSS activities.
- 6.8 If any candidate fulfills the attendance requirement in the present semester or I year, he shall not be eligible for readmission into the same class.

#### 7 Minimum Academic Requirements

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

- 7.1 A student is deemed to have satisfied the minimum academic requirements if he has earned the credits allotted to each theory/practical design/drawing subject/project and secures not less than 35% of marks in the end semester exam, and minimum 40% of marks in the sum total of the mid-term and end semester exams.
- 7.2 A student will not be promoted from I Year to II Year unless he fulfills the academic requirement of 28 credits out of 56 credits of I year from all the examinations and secures prescribed minimum attendance in I year.
- 7.3 A student will not be promoted from II year to III year unless he fulfills the academic requirement of 50 credits out of 84 credits up to II year I semester or 68 credits out of 112 credits upto 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.

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- A student shall be promoted from III year to IV year only if he fulfills the academic requirements of 84 credits out of 140 credits up to III year I semester or 100 credits out of 168 credits up to 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.
- 7.5 Asstudent shall register and put up minimum attendance in all 224 credits and earn 216 credits. Marks obtained in the best 216 credits shall be considered for the calculation of percentage of marks.
- 7.6 Students who fail terearn 216 credits as indicated in the course structure within ten academic years (8 years of study + 2 years additionally for appearing for exams only) from the year of their admission, shall forfeit their seat in B.Tech. course and their admission stands cancelled.

#### 8 Course pattern

- 8.1 The entire course of study is for four academic years. Lyear shall be on yearly pattern and II, III and IV years on semester pattern.
- 8.2 A student, eligible to apple for the end examination in a subject, but absent from it or has failed in the end semester examination, may write the exam in that subject during the period of supplementary exams.
- 8.3 When a student is detained for lack of credits/shortage of attendance, he may be re-admitted into the next semester/year. However, the academic regulations under which he was first admitted, shall continues to be applicable to him.

#### 9 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	% of marks to be secured	4
First Class with Distinction	70% and above	From the aggregate
First Class	Be'ow 70 but not less than 60%	marks secured from
Second Class	Below 60% but not less than 50%	216 Credits.
Pass Class	Below 50% but not less than 40%	

The marks obtained in internal evaluation and end semester / I year examination shall be shown separately in the memorandum of marks.

# 10 Minimum Instruction Days

The minimum instruction days for each semester/I year shall be 90/180 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 Hyderabad.

#### 13 WITHHOLDING OF RESULTS

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

#### 14. TRANSITORY REGULATIONS

- 14.1 Discontinued, detained, or failed candidates are eligible for readmission as and when next offered.
- 14.2 After the revision of the regulations, the students of the previous batches will be given two chances for passing in their failed subjects, one supplementary and the other regular. If the students cannot clear the subjects in the given two chances, they shall be given equivalent subjects as per the revised regulations which they have to pass in order to obtain the required number of credits.
- 14.3 In case of transferred students from other Universities, the credits shall be transferred to JNTUH as per the academic regulations and course structure of the JNTUH.

#### 15. General

- 15.1 Wherever the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".
- 15.2 The academic regulation should be read as a whole for the purpose of any interpretation.
- 15.3 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.

SREYAS INSTITUTE OF ENGG.&TEC... 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68. The University may change or amend the academic regulations or syllabiliat any, time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

15.5 Nho students seeking transfer to colleges affiliated to JATUH from various other. Universities/Institutions, have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the candidates have not studied at the earlier institution on their own without the right to sessional marks. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the candidates have to study those subjects in JNTUH in soite of the fact that those subjects are repeated.

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#### MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Maipractices/Improper conduct	Punishment
	If the candidate:	runsimism
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	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.

	visible representation, assaults the officer-in- charge, or any person on duty in or outside the examination hall or any of his relations, or	2
	indulges in any other act of misconduct or mischief which result in damage to or	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	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	6
	on duty amounts to use of unfair means or	
	misconduct or has the tendency to disrupt the	
-	orderly conduct of the examination.	•
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the
	thereof inside or outside the examination hall.	candidate has already appeared including practical
	, 15 ° 1	examinations and project work and shalk not be permitted
	1.9	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
	de la	candidate is subject to the academic regulations in
8.	Possess any lethal weapon or firearm in the	connection with forfeiture of seat.
0.	examination hall.	Expulsion from the examination hall and cancellation of
	examination nail.	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
	T. 1.4	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	Student of the colleges expulsion from the examination
	for the particular examination or any person not	hall and cancellation of the performance in that subject
	connected with the college induiges in any malpractice or improper conduct mentioned in	and all other subjects the candidate has already
	clause 6 to 8.	appeared including practical examinations and project
	Clause 0 to 6.	work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The
	46	candidate is also debarred and forfeits the seat.
		Person(s) who do not belong to the College will be
		handed over to police and, a police case will be
		registered against them.
10.	Comes in a drunken condition to the	Expulsion from the examination hall and cancellation of
	examination hall.	the performance in that subject and all other subjects the
	B	candidate has already appeared including practical
	× .	examinations and project work and shall not be permitted
		for the remaining examinations of the subjects of that
11.	Copying detected on ithe basis of internal	semester/year.
3035	evidence, such as, during valuation or during	Cancellation of the performance in that subject and all other subjects the candidate has appeared including
	special scrutiny.	practical examinations and project work of that
¥.1	ap as an object of	semester/year examinations.
12.	If any malpractice is detected which is not	The state of the s
	covered in the above clauses 1 to 11 shall be	
	reported to the University for further action to	
	award suitable punishment.	

#### Malpractices identified by squad or special invigilators

Punishments to the candidates as per the above guidelines.

Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)

A show cause notice shall be issued to the college.

(ii) Impose a suitable fine on the college.

(iii) Shifting the examination centre from the college to another college for a specific period of not less than one year.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Andhra Pradesh Act No.30 of 2008)

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

#### ACADEMIC REGULATIONS R15 FOR B. TECH. (LATERAL ENTRY SCHEME)

Applicable for the students admitted into II year B. Tech. (LES) from the Academic Year 2015-16 and onwards

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

- The LES candidates shall pursue a course of study for not less than three academic years and not more than six academic years.
- II. They shall be permitted to write the examinations for two more years after six academic years of course work.
- The candidate shall register for 168 credits and secure 160 credits from II to IV year B.Tech. Program (LES). The student can avail exemption of two subjects upto 8 credits, that is, one open elective and one elective subject or two elective subjects for the award of B.Tech. degree with compulsory subjects as listed in Table-1.

Table 1: Compulsory Subjects

Serial Number	Subject Particulars
1	All practical subjects
2	Industry oriented mini project
3	Comprehensive Viva-Voce
4	Seminar
5	Project work

- The students, who fail to fulfil the requirement for the award of the degree in 8 consecutive academic years (6 years of study + 2 years additionally for appearing exams only) from the year of admission, shall forfeit their seats.
- 4. The attendance regulations of B. Tech. (Regular) shall be applicable to B.Tech. (LES).

#### Promotion Rule

- 5.1 A student will not be promoted from II year to III year unless he fulfills the academic requirement of 17 credits out of 28 credits in II year I semester or 34 credits out of 56 credits upto 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.
- 5.2 A student shall be promoted from III year to IV year only if he fulfills the academic requirements of 50 credits out of 84 credits up to III year I semester or 68 credits out of 112 credits up to 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.

#### 6. 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	% of marks to be secured	
First Class with Distinction	70% and above	From the aggregate
First Class	Below 70% but not less than 60%	marks secured from 160 Credits from II
Second Class	Below 60% but not less than 50%	year to IV year.
Pass Class	Below 50% but not less than 40%	, , ,

The marks obtained in the internal evaluation and the end semester examination shall be shown separately in the marks memorandum.

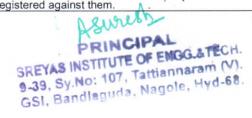
 All the other regulations as applicable to B. Tech. 4-year degree course (Regular) will hold good for B. Tech. (Lateral Entry Scheme).

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### MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	runsiment
1. (a)	Possesses or keeps accessible in examination hall, rany paper, note book, programmable	Expulsion from the examination hall and cancellation of the performance in that subject only.
	calculators, Cell phones, pager, palm computers or any other form of material concerned with or	the performance in that subject only.
	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)	· · · · · · ·
(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 coat. If the importor is an outsider, he will be handed
		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 duting 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	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
T <sub>E</sub>	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	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.



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

# Malpractices identified by squad or special invigilators

- Punishments to the candidates as per the above guidelines.

  Punishment for institutions: (if the squad reports that the college is also involved in encouraging 2.
  - A show cause notice shall be issued to the college.

Impose a suitable fine on the college.

Shifting the examination centre from the college to another college for a specific period of not less than one year.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

# ACADEMIC REGULATIONS FOR B.TECH. REGULAR STUDENTS WITH EFFECT FROM

# ACADEMIC YEAR 2016-17 (R-16)

- 1.0 <u>Under-Graduate Degree Programme in Engineering & Technology (UGP in E&T)</u>
- 1.1 JNTUH offers a 4-year (8 semesters) Bachelor of Technology (B.Tech.) degree programme, under Choice Based Credit System (CBCS) at its non-autonomous constituent and affiliated colleges with effect from the academic year 2016-17 in the following branches of Engineering:

Branch	¥
Civil Engineering	30 a 4 4
Electrical and Electronics Engineering	S S S S S
Mechanical Engineering	
Electronics and Communication Engineering	
Computer Science and Engineering	
Chemical Engineering	. 40
Electronics and Instrumentation Engineering	
Bio-Medical Engineering	
Information Technology	it is a wear
Mechanical Engineering (Mechatronics)	
Electronics and Telematics Engineering	
Metallurgy and Material Technology	8 35 × 10 ×
Electronics and Computer Engineering	
Mechanical Engineering (Production)	1 6 80 9
Aeronautical Engineering	a v v
Instrumentation and Control Engineering	
Biotechnology	
Automobile Engineering	
Mining Engineering	
Petroleum Engineering	
Civil and Environmental Engineering	
Mechanical Engineering (Nano Technology)	
Computer Science & Technology	4
Pharmaceutical Engineering	5 · ·
	8 22

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# 2.0 Eligibility for admission

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

# 3.0 B.Tech. Programme structure

3.1 A student after securing admission shall pursue the under graduate programme in B.Tech. in a minimum period of **four** academic years (8 semesters), and a maximum period of **eight** academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Tech course.

Each semester is structured to provide 24 credits, totaling to 192 credits for the entire B.Tech. programme.

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

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

### 3.2.1 Semester scheme

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

#### 3.2.2 Credit courses

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

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

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

# 3.2.3 Subject Course Classification

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

S. No.	Broad Course Classification	Course Group/ Category	Course Description
i	Foundation	BS – Basic Sciences	Includes mathematics, physics and chemistry subjects
2	Courses (FnC)	ES - Engineering Sciences	Includes fundamental engineering subjects
3	(The)	HS – Humanities and Social sciences	Includes subjects related to humanities, social sciences and management
4	Core Courses (CoC)	PC – Professional Core	Includes core subjects related to the parent discipline/ department/ branch of Engineering.
5	Elective	PE – Professional Electives	Includes elective subjects related to the parent discipline/ department/ branch of Engineering.
6	Courses (ElC)	OE Open Electives	Elective subjects which include inter- disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.
7		Project Work	B.Tech. project or UG project or UG major project
8	Core Courses	Industrial training/ Mini- project	Industrial training/ Internship/ UG Mini-project/ Mini-project
9		Seminar	Seminar/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.
10	Minor courses	-	1 or 2 Credit courses (subset of HS)
11	Mandatory Courses (MC)	-	Mandatory courses (non-credit)

# 4.0 Course registration

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

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

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

# 7.0 Academic requirements

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

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

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

#### 7.3 Promotion Rules

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S. No.	Promotion	Conditions to be fulfilled
1	First year first sæmester to first year second semester	Regular course of study of first year first semester.
2	First year second semester to second year first semester	(i) Regular course of study of first year second semester.
		(ii) Must have secured at least 24 credits out of 48 credits i.e., 50% credits up to first year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3.	Second year first semester to second year second semester	Regular course of study of second year first semester.
4	Second year second semester to third year first semester	(i) Regular course of study of second year second semester.
		(ii) Must have secured at least 58 credits out of 96 credits i.e., 60% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Third year first semester to third year second semester	Regular course of study of third year first semester.
6	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester.
	t.	(ii) Must have secured at least 86 credits out of 144 credits i.e., 60% credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
7	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

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

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- 'earn all 192 credits by securing SGPA  $\geq$  5.0 (in each semester), and CGPA (at the end of each successive semester)  $\geq$  5.0, to successfully complete the under graduate programme.
- After securing the necessary 192 credits as specified for the successful completion of the entire under graduate programme, the student can avail exemption of two subjects up to 6 credits, that is, one open elective and one professional elective subject or two professional elective subjects for optional drop out from these 192 credits earned; resulting in 186 credits for under graduate programme performance evaluation, i.e., the performance of the student in these 186 credits shall alone be taken into account for the calculation of 'the final CGPA (at the end of under graduate programme, which takes the SGPA of the IV year II semester into account)', and shall be indicated in the grade card of IV year II semester. However, the performance of student in the earlier individual semesters, with the corresponding SGPA and CGPA for which grade cards have already been given will not be altered.
  - 7.6 If a student registers for some more 'extra subjects' (in the parent department or other departments/branches of engg.) other than those listed subjects totaling to 192 credits as specified in the course structure of his department, the performances in those 'extra subjects' (although evaluated and graded using the same procedure as that of the required 192 credits) will not be taken into account while calculating the SGPA and CGPA. For such 'extra subjects' registered, % of marks and letter grade alone will be indicated in the grade card as a performance measure, subject to completion of the attendance and academic requirements as stated in regulations 6 and 7.1 7.5 above.
  - 7.7 A student eligible to appear in the end semester examination for any subject/ course, but absent from it or failed (thereby failing to secure 'C' grade or above) may reappear for that subject/ course in the supplementary examination as and when conducted. In such cases, internal marks (CIE) assessed earlier for that subject/ course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that subject.
  - A student detained in a semester due to shortage of attendance may be re-admitted when the same semester is offered in the next academic year for fulfillment of academic requirements. The academic regulations under which student has been readmitted shall be applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which student has been detained.
  - 7.9 A student detained due to lack of credits, shall be promoted to the next academic year only after acquiring the required academic credits. The academic regulations under which student has been readmitted shall be applicable to him.
  - 8.0 Evaluation Distribution and Weightage of marks

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- from the clusters of colleges which are decided by the examination branch of the university.
- 8.4 For the subject having design and/or drawing, (such as engineering graphics, engineering drawing, machine drawing) and estimation, the distribution shall be 25 marks for continuous internal evaluation (15 marks for day-to-day work and 10 marks for internal tests) and 75 marks for semester end examination. There shall be two internal tests in a semester and the average of the two shall be considered for the award of marks for internal tests.
- 8.5 There shall be an UG mini-project, in collaboration with an industry of their specialization. Students will register for this immediately after III year II semester examinations and pursue it during summer vacation. The UG mini-project shall be submitted in a report form and presented before the committee in IV year I semester. It shall be evaluated for 100 marks. The committee consists of an external examiner, Head of the Department, supervisor of the UG mini-project and a senior faculty member of the department. There shall be no internal marks for UG mini-project.
- 8.6 There shall be a seminar presentation in IV year I semester. For the seminar, the student shall collect the information on a specialized topic, prepare a technical report, and submit it to the department. It shall be evaluated by the departmental committee consisting of Head of the Department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 100 marks. There shall be no semester end examination for the seminar.
- Out of a total of 100 marks for the UG major Project, 25 marks shall be allotted for internal evaluation and 75 marks for the end semester examination (viva voce). The end semester examination of the UG major Project shall be conducted by the same committee as appointed for the UG mini-project. In addition, the UG major Project supervisor shall also be included in the committee. The topics for UG mini project, seminar and UG major Project shall be different from one another. The evaluation of UG major Project shall be made at the end of IV year II semester. The internal evaluation shall be on the basis of two seminars given by each student on the topic of UG major Project.
- 8.8 The laboratory marks and the sessional marks awarded by the college are subject to scrutiny and scaling by the university wherever necessary. In such cases, the sessional and laboratory marks awarded by the college will be referred to a committee. The committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendations of the committee are final and binding. The laboratory records and internal test papers shall be preserved in the respective institutions as per the university rules and produced before the committees of the university as and when asked for.

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- 8.9 For mandatory courses Environmental Science, Professional Ethics and gender sensitization lab, a student has to secure 40 marks out of 100 marks (i.e. 40% of the marks allotted) in the continuous internal evaluation for passing the subject/course.
- 8.10 For mandatory courses NCC/ NSO and NSS, a 'satisfactory participation certificate' shall be issued to the student from the authorities concerned, only after securing ≥ 65% attendance in such a course.
- 8.11 No marks or letter grade shall be allotted for all mandatory/non-credit courses.

# 9.0 Grading procedure

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

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

9.3 A student obtaining 'F' grade in any subject shall be deemed to have 'failed' and is required to reappear as a 'supplementary student' in the semester end examination, as and

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when offered. In such cases, internal marks in those subjects will remain the same as those obtained earlier.

- 9.4 A student who has not appeared for examination in any subject, 'Ab' grade will be allocated in that subject, and student shall be considered 'failed'. Student will be required to reappear as a 'supplementary student' in the semester end examination, as and when offered.
- 9.5 A letter grade does not indicate any specific percentage of marks secured by the student, but it indicates only the range of percentage of marks.
- 9.6 A student earns grade point (GP) in each subject/ course, on the basis of the letter grade secured in that subject/ course. The corresponding 'credit points' (CP) are computed by multiplying the grade point with credits for that particular subject/ course.

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

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

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

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

CGPA = 
$$\{\sum_{j=1}^{M} C_j G_j\} / \{\sum_{j=1}^{M} C_j\} ...$$
 for all S semesters registered (i.e., up to and inclusive of S semesters,  $S \ge 2$ ).

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

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subject, and G<sub>j</sub> represents the grade points (GP) corresponding to the letter grade awarded for that j<sup>th</sup> subject. After registration and completion of I year I semester, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

#### Illustration of calculation of SGPA

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

$$SGPA = 152/21 = 7.23$$

# Illustration of calculation of CGPA:

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

$$CGPA = 1380/192 = 7.18$$

- 9.10 For merit ranking or comparison purposes or any other listing, only the 'rounded off' values of the CGPAs will be used.
- 9.11 For calculations listed in regulations 9.6 to 9.9, performance in failed subjects/ courses (securing F grade) will also be taken into account, and the credits of such subjects/ courses will also be included in the multiplications and summations. After passing the failed subject(s) newly secured letter grades will be taken into account for calculation of SGPA and CGPA: However, mandatory courses will not be taken into consideration.

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#### 10.0 Passing standards

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

### 11.0 Declaration of results

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

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

### 12.0 Award of degree

- 12.1 A student who registers for all the specified subjects/ courses as listed in the course structure and secures the required number of 192 credits (with CGPA ≥ 5.0), within 8 academic years from the date of commencement of the first academic year, shall be declared to have 'qualified' for the award of the B.Tech! degree in the chosen branch of Engineering as selected at the time of admission.
- 12.2 A student who qualifies for the award of the degree as listed in item 12.1 shall be placed in the following classes.
- 12.3 Students with final CGPA (at the end of the under graduate programme)  $\geq$  8.00, and fulfilling the following conditions -
  - (i) Should have passed all the subjects/courses in 'first appearance' within the first 4 academic years (or 8 sequential semesters) from the date of commencement of first year first semester.
  - (ii) Should have secured a CGPA ≥ 8.00, at the end of each of the 8 sequential semesters, starting from I year I semester onwards.
  - (iii) Should not have been detained or prevented from writing the end semester examinations in any semester due to shortage of attendance or any other reason, shall be placed in 'first class with distinction'.
- 12.4 Students with final CGPA (at the end of the under graduate programme) ≥ 6.50 but < 8.00, shall be placed in 'first class'.



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

# 13.0 Withholding of results

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

# 14.0 Transitory regulations

### A. For students detained due to shortage of attendance:

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

See rule (C) for further Transitory Regulations.

### B. For students detained due to shortage of credits:

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

See rule (C) for further Transitory Regulations.

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# C. For readmitted students in R16 Regulations:

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

**Note**: If a student readmitted to R16 Regulations, has not studied any subjects/topics in his/her earlier regulations of study which is prerequisite for further subjects in R16 Regulations, the College Principals concerned shall conduct remedial classes to cover those subjects/topics for the benefit of the students.

#### 15.0 Student transfers

- 15.1 There shall be no branch transfers after the completion of admission process.
- 15.2 There shall be no transfers from one college/stream to another within the constituent colleges and units of Jawaharlal Nehru Technological University Hyderabad.
- 15.3 The students seeking transfer to colleges affiliated to JNTUH from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.
- 15.4 The transferred students from other Universities/institutions to JNTUH affiliated colleges who are on rolls to be provide one chance to write the CBT (internal marks) in the failed subjects and/or subjects not studied as per the clearance letter issued by the university.
- 15.5 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the **failed subjects and/or subjects not studied**, to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.

### 16.0 Scope

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

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- 16.2 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the vice-chancellor is final.
- 16.3 The university may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the dates notified by the university authorities.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

# Academic Regulations for B.Tech. (Lateral Entry Scheme) from the AY 2017-18

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

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

- 2. The student shall register for 144 credits and secure 144 credits with CGPA ≥ 5 from II year to IV year B.Tech. programme (LES) for the award of B.Tech. degree. Out of the 144 credits secured, the student can avail exemption up to 6 credits, that is, one open elective subject and one professional elective subject or two professional elective subjects resulting in 138 credits for B.Tech programme performance evaluation.
- 3. The students, who fail to fulfil the requirement for the award of the degree in six academic years from the year of admission, shall forfeit their seat in B.Tech.
- 4. The attendance requirements of B. Tech. (Regular) shall be applicable to B.Tech. (LES).

# 5. Promotion rule

S. No	Promotion	Conditions to be fulfilled
1	Second year first semester to second year second semester	Regular course of study of second year first semester.
2	Second year second semester to third year first semester	(i) Regular course of study of second year second semester.  (ii) Must have secured at least 29 credits out of 48 credits i.e., 60% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year first semester to third year second semester	Regular course of study of third year first semester.
4	Third year second semester to fourth year first semester	<ul><li>(i) Regular course of study of third year second semester.</li><li>(ii) Must have secured at least 58 credits</li></ul>
	20	out of 96 credits i.e., 60% credits up to



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

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

# MALPRACTICES RULES DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

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



	E-16	The hall ticket of the student is to be cancelled and sent to the university.
3.	Impersonates any other student in connection with the examination.	The student who has impersonated shall be expelled from examination hall. The student is also debarred and forfeits the seat. The performance of the original student who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the chief superintendent/assistant — superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred

	in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.
9.	If student of the college, who is not a student for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and

	4 4	forfeits the seat.*
	· · · · · · · · · · · · · · · · · · ·	Person(s) who do not belong to the college will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
_11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the student has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the university for further action to award suitable punishment.	

# Malpractices identified by squad or special invigilators

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

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

# ACADEMIC REGULATIONS FOR B.TECH. REGULAR STUDENTS WITH EFFECT FROM ACADEMIC YEAR 2018-19 (R-18)

# 1.0 <u>Under-Graduate Degree Programme in Engineering & Technology (UGP in E&T)</u>

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

# 2.0 Eligibility for admission

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

# 3.0 B.Tech. Programme structure

- 3.1 A student after securing admission shall complete the B.Tech. programme in a minimum period of four academic years (8 semesters), and a maximum period of eight academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Tech course. Each student shall secure 160 credits (with CGPA ≥ 5) required for the completion of the under graduate programme and award of the B.Tech. degree.
- 3.2 UGC/ AICTE specified definitions/ descriptions are adopted appropriately for various terms and abbreviations used in these academic regulations/ norms, which are listed below.

#### 3.2.1 Semester scheme

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

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

#### 3.2.2 Credit courses

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

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

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

# 3.2.3 Subject Course Classification

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

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

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

# 4.0 Course registration

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

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

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

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

### 7.0 Academic requirements

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

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

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

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# 7.3 Promotion Rules

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

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

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

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

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

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

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

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

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

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

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

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

### 9.0 Grading procedure

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

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

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

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

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

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

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

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

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

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

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

CGPA = 
$$\{\sum_{j=1}^{M} C_j G_j\} / \{\sum_{j=1}^{M} C_j\} ...$$
 for all S semesters registered (i.e., up to and inclusive of S semesters,  $S \ge 2$ ).

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

### Illustration of calculation of SGPA:

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

SGPA = 152/21 = 7.24

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# Illustration of calculation of CGPA up to 3<sup>rd</sup> semester:

Semester	Semester Course/Subject Credit Title Allotte		Letter Grade Secured	Corresponding Grade Point (GP)	Credit Points (CP)	
I	Course 1	3	A	8	24	
I	Course 2	3	О	10	30	
I	Course 3	3	В	6	18	
I	Course 4	4	A	8	32	
I	Course 5	3	A+	9	27	
I	Course 6	4	С	5.	20	
II	Course 7	4	В	6	24	
H	Course 8	. 4	Α.	8	32	
II	Course 9	3	С	5	15	
II	Course 10	3	O	10	30	
II	Course 11	3	B+	7.	21	
II	Course 12	4	В	,,6	24	
II	Course 13	4	A	8	32	
II	Course 14	3	О	10	30	
III	Course 15	2	A	8	16	
III	Course 16	1	С	5	45	
III	Course 17	4	0	10	40	
III	Course 18	3	B+	7	21	
III	Course 19	4	В	6	24	
III	Course 20	4	A	8	32	
Ш	Course 21	3	B+	7	21	
	Total Credits	69		Total Credit Points	518	

# CGPA = 518/69 = 7.51

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

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

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### 10.0 Passing standards

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

### 11.0 Declaration of results

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

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

### 12.0 Award of degree

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

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

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- Students with final CGPA (at the end of the under graduate programme) ≥ 6.50 but <</li>8.00 shall be placed in 'first class'.
- 12.5 Students with final CGPA (at the end of the under graduate programme)  $\geq 5.50$  but < 6.50, shall be placed in 'second class'.
- 12.6 All other students who qualify for the award of the degree (as per item 12.1), with final CGPA (at the end of the under graduate programme) ≥ 5.00 but < 5.50, shall be placed in 'pass class'.
- 12.7 A student with final CGPA (at the end of the under graduate programme) < 5.00 will not be eligible for the award of the degree.
- 12.8 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of 'Gold Medal'.

### 13.0 Withholding of results

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

### 14.0 Student transfers

- 14.1 There shall be no branch transfers after the completion of admission process.
- 14.2 There shall be no transfers from one college/stream to another within the constituent colleges and units of Jawaharlal Nehru Technological University Hyderabad.
- 14.3 The students seeking transfer to colleges affiliated to JNTUH from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.
- 14.4 The transferred students from other Universities/institutions to JNTUH affiliated colleges who are on rolls are to be provided one chance to write the CBT (internal marks) in the equivalent subject(s) as per the clearance letter issued by the University.
- 14.5 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the **equivalent subject(s)** to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.

### 15.0 Scope

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

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

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

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

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

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

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

### 5. Promotion rule

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



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

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

# MALPRACTICES RULES DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

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

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

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.

subject and all other subjects the student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.

7. Leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof inside or outside the examination hall.

Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.

Possesses any lethal weapon or firearm 8. in the examination hall.

Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.

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

# Malpractices identified by squad or special invigilators

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

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### Preface

The globalisation of the world economy and higher education are driving profound changes in the engineering education system. Worldwide adaptation of Outcome-Based Education framework and enhanced focus on higher-order learning and professional skills necessitates a paradigm shift in traditional practices of curriculum design, education delivery and assessment. In recent years, worldwide sweeping reforms are being undertaken to bring about essential changes in engineering education in terms of what to teach (content) and how to teach (knowledge delivery) and how to assess (student learning).

Examinations or student assessment of students play a very important role in deciding the quality of education. The academic quality of examinations (question papers) in Indian Engineering education system has been a matter of concern for a long time. This report attempts to bring out recommendations for reforms in examination system to meet challenges on emerging engineering education landscape.

The recommendations are presented in four sections. In Section-1, the most important drivers for examination reforms in Indian engineering education system are discussed. Section-2 brings out strategies to be adopted to align assessment with the desired student learning outcomes. A two-step method is proposed for mapping the examination questions course outcomes. Section-3 highlights the necessity of designing question papers to test higher order abilities and skills. Application of Blooms taxonomy framework to create the optimal structure of examination papers to test the different cognitive skills is discussed in detail. Challenge of assessing higher order abilities and professional skills through traditional examination system is brought out in Section-4. Several educational experiences and assessment opportunities are identified to overcome the challenges. Appendices contain the supplement material that is helpful for Universities/ Colleges to implement recommendations.

At this juncture, reforms in examinations are critical for improvement of the quality and relevance of Indian engineering education. It is hoped that the Report will be of use to Universities and Colleges to bring out the much-needed change. The cooperation received from AICTE officials in bringing out the Report is gratefully acknowledged.

Prof Ashok S. Shettar Prof Rama Krishna Challa Prof Sanjay Agarwal Prof Upendra Pandel

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### 1. Introduction

The Globalisation of the world economy and higher education are driving profound changes in the engineering education system. There is a continuing need to dynamically adapt to these changes, to ensure that we remain competitive and can respond effectively to the challenges of globalisation. Future engineering graduate not only need to be knowledgeable in his/her discipline, but also needs a new set of soft, professional skills and competencies [1].

In recent years, there have been essential changes in engineering education in terms of what to teach (content) and how to teach (knowledge delivery) and how to assess (student learning).

AICTE has already taken initiation to come out with model curriculum for engineering programs. The digital initiatives of MHRD and AICTE have made available a very large number of Massive MOOCs through SWAYAM, that can help the colleges and teachers adopt innovative methodologies in the delivery of course.

This present report makes recommendations for reforms in examinations (assessment of student) against the emerging landscape of engineering education.

Examinations or assessments student of play a very important role in deciding the quality of education. They must not only assess student's achievements (and grades) but also measure whether the desired learning outcomes have been achieved. The achievement of objectives and program outcomes are crucial and needs to be proven through accurate and reliable awardable assessments.

The academic quality of examinations (question papers) in the Indian engineering education system has been a matter of concern from a long time. It is widely acknowledged that "assessment drives learning", what and how students learn depends to a major extent on how they think they will be assessed [2]. The question papers that require simple memory recall will not ensure deep, meaningful learning. High expectations for learning, motivate the students to rise to the occasion. The assessment (examination) must ebbed those high expectations to ensure that the learner is motivated to attain them.

Considering the above imperatives, it is clear that reforms in examinations are critical for improvement of the quality of Indian engineering education. The most important drivers for reforms in examination system of Indian engineering education are:

# 1. Adaptation of Outcome Based Education Framework

Outcome based education- a performance-based approach has emerged as a major reform model in the global engineering education scenario [3]. The country that wants to be a signatory member of a multinational agreement for the mutual recognition of engineering degrees, i.e. the Washington Accord (WA) must implement Outcome Based Education. This will be an endorsement that the engineering education system has demonstrated a strong, long-term commitment to quality assurance in producing engineers ready for industry practice in the international scene. Being signatory to the Washington accord,

Indian accreditation agency 'National Board of Accreditation (NBA)' has made it mandatory for engineering institutions to adapt an OBE framework for their curriculum design, delivery and assessment. In OBE framework the educational outcomes of a program is clearly and unambiguously specified. These determine the curriculum content and its organization, the teaching methods and strategies and the assessment process.

Though Indian universities and colleges have started adapting OBE framework for their engineering programs, the focus is limited to the curriculum design part i.e. connecting curriculum components to the program outcomes. Very little attention is being given for connecting examination questions/ assessment tools to the program outcomes. The absence of proper mapping between program outcomes and assessment tools lead to inaccurate and unreliable measurement of attainment of outcomes by the students. This missing connect creates a big gap in the effective adaptation of OBE framework, making the whole exercise futile.

### 2. Importance of higher-order abilities and professional skills

In the present examination system, memorization occupies a dominant place. The recall of factual knowledge, though essential to any examination, is only one of several major abilities to be demonstrated by the graduates. The assessment process must also test higher level skills viz. ability to apply knowledge, solve complex problems, analyse, synthesise and design. Further, professional skills like the ability to communicate, work in teams, lifelong learning have become important elements for the employability of the graduates [4]. It is important that the examinations also give appropriate weightage to the assessment of these higher-level skills and professional competencies.

Keeping in view of the above challenges and looking at some of the worldwide best practices in assessment, the present report comes up with several recommendations that can be used by universities and colleges to design their assessment strategies.

# 2. Assessment Strategy for Outcome Based Education

# 2.1 Mapping Program Outcomes to Assessment (Examinations)

Graduate attributes (GAs) articulate the generic abilities to be looked for in a graduate of any undergraduate degree program. They form the Program Outcomes (POs) that reflect skills, knowledge and abilities of graduates regardless of the field of study. This does not mean that POs are necessarily independent of disciplinary knowledge rather, these qualities may be developed in various disciplinary contexts.

In outcome-based education, a "design down" process is employed which moves from POs to Course Outcomes (COs) and outcomes for individual learning experiences. Outcomes at each successive level need to be aligned with, and contribute to, the program outcomes.

Courses are the building blocks of a program. Teaching strategies, learning activities, assessments and resources should all be designed and organized to help students achieve the learning outcomes at the course level. In the assessment activities, students demonstrate their level of achievement of the course learning outcomes. In a constructively aligned program, the courses are carefully coordinated to ensure steady development or scaffolding from introduction to mastery of the learning outcomes, leading to achievement of the intended POs. For the effectiveness of the program, the achievement of POs is crucial which needs to be proven through accurate and reliable assessments.

# 2.2 Two-step Process for bringing clarity to POs

Program Outcomes give useful guidance at program level for the curriculum design, delivery and assessment of student learning. However, they represent fairly high-level generic goals that are not directly measurable. A real observability and measurability of the POs at course level is very difficult. To connect high-level learning outcomes (POs) with course content, course outcomes and assessment, there is a necessity to bring further clarity and specificity to the program outcomes [5]. This can be achieved through the following two-step process of identifying *Competencies* and *Performance Indicators (PI)*.

(1) Identify Competencies to be attained: For each PO define competencies—different abilities implied by program outcome statement that would generally require different assessment measures. This helps us to create a shared understanding of the competencies we want our students to achieve. They serve as an intermediate step to the creation of measurable indicators. Example:

Program Outcome (Attribute 3)

#### Design:

**PO 3: Design/Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

#### **Competencies**

- 1. Demonstrate an ability to define a complex open-ended problem in engineering terms.
- 2. Demonstrate an ability to generate a diverse set of alternative design solutions
- 3. Demonstrate an ability to select the optimal design scheme for further development
- 4. Demonstrate an ability to advance an engineering design to defined end state
- (2) Define *Performance Indicators*: For each of the *competencies* identified, define Performance Indicators (PIs) that are explicit statements of expectations of the student learning. They can act as measuring tools in assessment to understand the extent of attainment of outcomes. They can also be designed to determine the appropriate achievement level or competency of each indicator so that instructors can target and students can achieve the acceptable level of proficiency. Example:

For the Competency -2

### Demonstrate an ability to generate a diverse set of alternative design solutions

#### Performance Indicators:

- 1. Apply formal idea generation tools to develop multiple engineering design solutions
- 2. Build models, prototypes, algorithms to develop a diverse set of design solutions
- 3. Identify the functional and non-functional criteria for evaluation of alternative design solutions.

It should be noted that, when we consider the program outcome, it looks like, it can be achieved only in the Capstone project. But if we consider the competencies and performance indicators, we start seeing the opportunities of addressing them (and hence PO) in various courses of the program.

Once the above process is completed for the program, the assessment of COs for all the courses are designed by connecting assessment questions (used in various assessment tools) to the Performance Indicators. By following this process, where examination questions map with Performance Indicators, we get clarity and better resolution for the assessment of COs and POs. The pictorial representation of the process is given in Fig. 1

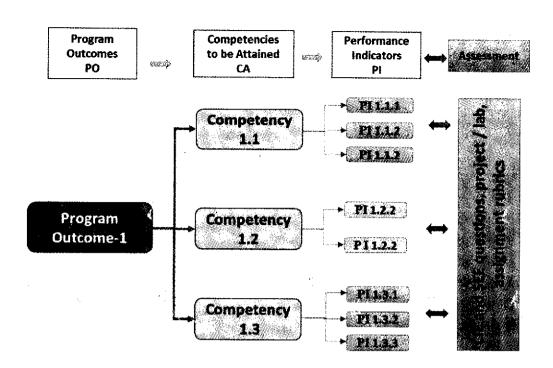


Fig.1 Connecting POs to Assessment

# 2.3 Program Outcomes - Competencies - Performance Indicators

The following table gives a suggestive list of competencies and associated performance indicators for each of the PO in Mechanical Engineering Program.

PO 1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.

- : - :	Indicators
1.1.1	Apply mathematical techniques such as calculus, linear
	algebra, and statistics to solve problems
1.1.2	Apply advanced mathematical techniques to model and solve mechanical engineering problems
1.2.1	Apply laws of natural science to an engineering problem
1.3.1	Apply fundamental engineering concepts to solve engineering problems
1.4.1	Apply Mechanical engineering concepts to solve engineering problems.
	1.2.1

PO 2: Problem analysis: Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

substantiated conclusions using materialities of matriematics, facular sciences, and engineering sciences.			
Competency		Indicators	
2.1 Demonstrate an ability to identify	2.1.1	Articulate problem statements and identify objectives	
and formulate complex engineering problem	2.1.2	Identify engineering systems, variables, and parameters to solve the problems	
	2.1.3	Identify the mathematical, engineering and other relevant knowledge that applies to a given problem	
2.2 Demonstrate an ability to	2.2.1	Reframe complex problems into interconnected sub-	
formulate a solution plan and methodology for an engineering	2.2.2	problems Identify, assemble and evaluate information	
problem	2.2.3	and resources.	
	γ: 	Identify existing processes/solution methods for solving the problem, including forming justified approximations and assumptions	
	2.2.4	Compare and contrast alternative solution processes to select the best process.	
2.3 Demonstrate an ability to formulate and interpret a model	2.3.1	Combine scientific principles and engineering concepts to formulate model/s (mathematical or otherwise) of a system or process that is appropriate in terms of applicability and required accuracy.	
	2.3.2	Identify assumptions (mathematical and physical) necessary to allow modeling of a system at the level of accuracy required.	
2.4 Demonstrate an ability to execute	2.4.1	Apply engineering mathematics and computations to solve	
a solution process and analyze results	2.4.2	mathematical models  Produce and validate results through skilful use of contemporary engineering tools and models	
	2.4.3		
Ř	2.4.4		
.5			

PO 3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

Competency	Indicators		
3.1 Demonstrate an ability to define a complex / open-ended problem in	definition		
engineering terms			
		Synthesize engineering requirements from a review of the state-of-the-art	
	3.1.4	Extract engineering requirements from relevant engineering Codes and Standards such as ASME, ASTM, BIS, ISO and ASHRAE.	

	3.1.5	Explore and synthesize engineering requirements considering health, safety risks, environmental, cultural and societal issues
	3.1.6	Determine design objectives, functional requirements and arrive at specifications
3.2 Demonstrate an ability to generate a diverse set of	3.2.1	Apply formal idea generation tools to develop multiple engineering design solutions
alternative design solutions	3.2.2	Build models/prototypes to develop diverse set of design solutions
	3.2.3	Identify suitable criteria for evaluation of alternate design solutions
3.3 Demonstrate an ability to select.	3.3.1	Apply formal decision making tools to select optimal
optimal design scheme for further development		engineering design solutions for further development
raraic, acvelopment	3.3.2	Consult with domain experts and stakeholders to select candidate engineering design solution for further development
3.4 Demonstrate an ability to advance an engineering design to defined end state	3.4.1	Refine a conceptual design into a detailed design within the
		existing constraints (of the resources)
	3.4.2	Generate information through appropriate tests to improve or revise design

PO 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Competency		Indicators
4.1 Demonstrate an ability to conduct investigations of technical	4.1.1	Define a problem, its scope and importance for purposes of investigation
issues consistent with their level of knowledge and understanding	4.1.2	Examine the relevant methods, tools and techniques of experiment design, system calibration, data acquisition, analysis and presentation
	4.1.3	
	4.1.4	Establish a relationship between measured data and underlying physical principles.
4.2 Demonstrate an ability to design	4.2.1	Design and develop experimental approach, specify appropriate
experiments to solve open ended problems		equipment and procedures
	4.2.2	Understand the importance of statistical design of experiments and choose an appropriate experimental design plan based on the study objectives
4.3 Demonstrate an ability to analyze data and reach a valid conclusion	4.3.1	Use appropriate procedures, tools and techniques to conduct experiments and collect data
	4.3.2	Analyze data for trends and correlations, stating possible errors and limitations

- 4.3.3 Represent data (in tabular and/or graphical forms) so as to facilitate analysis and explanation of the data, and drawing of conclusions
  4.3.4 Synthesize information and knowledge about the problem from the raw data to reach appropriate conclusions
- PO 5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

Competency	Indicators	
5.1 Demonstrate an ability to identify / create modern engineering tools, techniques and resources	5.1.1 Identify modern engineering tools such as computer aided drafting, modeling and analysis; techniques and resources for engineering activities  Create/adapt/modify/extend tools and techniques to solve engineering problems	
5.2 Demonstrate an ability to select and apply discipline specific tools, techniques and resources	<ul> <li>5.2.1 Identify the strengths and limitations of tools for (i) acquiring information, (ii) modeling and simulating, (iii) monitoring system performance, and (iv) creating engineering designs.</li> <li>5.2.2 Demonstrate proficiency in using discipline specific tools</li> </ul>	
5.3 Demonstrate an ability to evaluate the suitability and limitations of tools used to solve an engineering problem	5.3.1 Discuss limitations and validate tools, techniques and resources  Verify the credibility of results from tool use with reference to the accuracy and limitations, and the assumptions inherent in their use.	

PO 6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Competency	Indicators
6.1 Demonstrate an ability to describe engineering roles in a broader context, e.g. pertaining to the environment, health, safety, legal and public welfare	6.1.1 Identify and describe various engineering roles; particularly as pertains to protection of the public and public interest at global, regional and local level
6.2 Demonstrate an understanding of professional engineering regulations, legislation and standards	6.2.1 Interpret legislation, regulations, codes, and standards relevant to your discipline and explain its contribution to the protection of the public

PO 7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

		A STATE OF THE STA		
Competen	:y		Indicators	<del>2</del> 3

7.1 Demonstrate an understanding of		
the impact of engineering and industrial practices on social, environmental and in economic contexts	7.1.1 7.1.2	Identify risks/impacts in the life-cycle of an engineering product or activity  Understand the relationship between the technical, soci economic and environmental dimensions of sustainability
7.2 Demonstrate an ability to apply principles of sustainable design and development	7.2.1 7.2.2	Describe management techniques for sustainable development Apply principles of preventive engineering and sustainable development to an engineering activity or product relevant to the discipline
PO 8: Ethics: Apply ethical principles an engineering practice.	d comm	it to professional ethics and responsibilities and norms of the
Competency	-	Indicators
8.1 Demonstrate an ability to recognize ethical dilemmas	8.1.1	Identify situations of unethical professional conduct and propose ethical alternatives
8.2 Demonstrate an ability to apply the Code of Ethics	8.2.1 8.2.2	Identify tenets of the ASME professional code of ethics Examine and apply moral & ethical principles to known case studies
PO 9: Individual and team work: Functi in multidisciplinary settings.	ion effec	tively as an individual, and as a member or leader in diverse teams, and
Competency	s.	Indicators
9.1 Demonstrate an ability to form a team and define a role for each member	9.1.1 9.1.2	Recognize a variety of working and learning preferences; appreciate the value of diversity on a team Implement the norms of practice (e.g. rules, roles, charters, agendas, etc.) of effective team work, to accomplish a goal.
9.2 Demonstrate effective individual and team operations—communication, problem solving, conflict resolution and leadership skills		Demonstrate effective communication, problem solving, conflict resolution and leadership skills  Treat other team members respectfully  Listen to other members  Maintain composure in difficult situations
9.3 Demonstrate success in a teambased project	9.3.1	Present results as a team, with smooth integration of contributions from all individual efforts
	effective	ly on complex engineering activities with the engineering community

10.1 Demonstrate an ability to comprehend technical literature and document project work	10.1.1 Read, understand and interpret technical and non-technical information Produce clear, well-constructed, and well-supported written engineering documents
	10.1.3 Create flow in a document or presentation - a logical progression of ideas so that the main point is clear
10.2 Demonstrate competence in listening, speaking, and presentation	10.2.1 Listen to and comprehend information, instructions, and viewpoints of others  Deliver effective oral presentations to technical and non-technical audiences
10.3 Demonstrate the ability to integrate different modes of communication	<ul> <li>10.3.1 Create engineering-standard figures, reports and drawings to complement writing and presentations</li> <li>10.3.2 Use a variety of media effectively to convey a message in a document or a presentation</li> </ul>

PO 11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Competency		Indicators
11.1 Demonstrate an ability to evaluate the economic and financial performance of an engineering activity	11.1.1	Describe various economic and financial costs/benefits of an engineering activity  Analyze different forms of financial statements to evaluate the financial status of an engineering project
11.2 Demonstrate an ability to compare and contrast the costs/benefits of alternate proposals for an engineering activity	11.2.1 ,	Analyze and select the most appropriate proposal based on economic and financial considerations.
11.3 Demonstrate an ability to plan/manage 'an engineering activity within time and budget constraints	11.3.1	Identify the tasks required to complete an engineering activity, and the resources required to complete the tasks.  Use project management tools to schedule an engineering project so it is completed on time and on budget.

PO 12: Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Competency	Indicators
12.1 Demonstrate an ability to identify gaps in knowledge and a strategy to close these gaps	<ul> <li>12.1.1 Describe the rationale for requirement for continuing professional development</li> <li>12.1.2 Identify deficiencies or gaps in knowledge and demonstrate a ability to source information to close this gap</li> </ul>
12.2 Demonstrate an ability to identify changing trends in engineering knowledge and practice	12.2.1 Identify historic points of technological advance in engineering that required practitioners to seek education in order to state 12.2.2 current  Recognize the need and be able to clearly explain why it is vitally important to keep current regarding new developments in your field.
12.3 Demonstrate an ability to identify and access sources for new information	<ul> <li>12.3.1 Source and comprehend technical literature and other credible sources of information</li> <li>12.3.2 Analyze sourced technical and popular information for feasibility, viability, sustainability, etc.</li> </ul>

The above table can be used for most of the engineering programs. However, for Computer Science / Information Science programs it requires some modifications.

Suggestive list of competencies and associated performance indicators for Computer Science / Information Science Programs are given in Appendix- A

# 3. Improving Structure and Quality of Assessments

For improving the structure and quality of assessment in our programs following points need to be remembered:

- 1. In Indian engineering education system written examinations play major role in assessing the learning and awarding of grades to the student. Universities and colleges give highest weightage to the outcomes of the written examinations in overall grading. Questions raised in the examination/ test papers play an important role in defining the level of learning the student is expected to achieve in the courses and hence in the program. Since, assessment drives learning, the design of question papers need to go beyond mere test of memory recall. They also need to test higher order abilities and skills.
- 2. Written examinations assess a very limited range of outcomes and cognitive levels. Particularly in the courses, where course outcomes cover a broad range of expectations, written examinations alone will not be sufficient to make valid judgements about student learning. A wide range of assessment methods (example; term papers, open ended problem-solving assignments, course/ lab project rubrics, portfolios etc.) need to be employed to ensure that assessment methods match with learning outcomes.
- 3. It is advisable to formulate assessment plans for each of the course in the program that brings clarity to the following
  - a. Alignment of assessment with learning outcome of the course
  - b. Level of learning (cognitive) student is expected to achieve
  - c. Assessment method to be adapted

The method to align examination questions/ assessment to course outcomes and hence POs was discussed in the section-1. The following sections discuss application of blooms taxonomy framework to create optimal structure of examination papers to test the different cognitive skills.

### 3.1 Bloom's Taxonomy for Assessment Design

Bloom's Taxonomy provides an important framework to not only design curriculum and teaching methodologies but also to design appropriate examination questions belonging to various cognitive levels. Bloom's Taxonomy of Educational Objectives developed in 1956 by Benjamin Bloom [6] was widely accepted by educators for curriculum design and assessment. In 2001, Anderson and Krathwohl modified Bloom's Taxonomy [7] to make it relevant to the present-day requirements. It attempts to divide learning into three types of domains (cognitive, affective, and behavioural) and then defines the level of performance for each domain. Conscious efforts to map the curriculum and assessment to these levels can help the programs to aim for higher-level abilities which go beyond remembering or understanding, and require application, analysis, evaluation or creation.

Revised Bloom's taxonomy in the cognitive domain includes thinking, knowledge, and application of knowledge. It is a popular framework in engineering education to structure the assessment as it characterizes complexity and higher-order abilities. It identifies six levels of competencies within the cognitive domain (Fig. 2) which are appropriate for the purposes of engineering educators.

According to revised Bloom's taxonomy, the levels in cognitive domain are as follows:

Level	Descriptor	Level of attainment	
1	Remembering	Recalling from memory of previously learned material	
2	Understanding	Explaining ideas or concepts	
3	Applying	Using information in another familiar situation	
4	Analysing	Breaking information into part to explore understandings and relationships	
5	Evaluating	Justifying a decision or course of action	
6	Creating	Generating new ideas, products or new ways of viewing things	

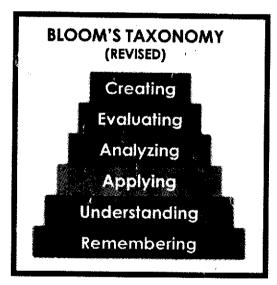


Fig. 2, Revised Bloom's Taxonomy

Bloom's Taxonomy is hierarchical, meaning that learning at the higher level requires that skills at lower level are attained.

# 3.2 Action Verbs for Assessment

Choice of action verbs in constructing assessment questions is important to consider. Quite often, the action verbs are indicators of the complexity (level) of the question. Over the time, educators have come up with taxonomy of measurable verbs corresponding to each of the Bloom's cognitive levels [8]. These verbs help us not only to describe and classify observable knowledge, skills and abilities but also to frame the examination or assignment questions that are appropriate to the level we are trying to assess.

A suggestive list of skills/ competencies to be demonstrated at each of the Bloom's level and corresponding cues/ verbs for the examination/ test questions are given below

Level	Skill Demonstrated	Question Ques / Verbs for tests
1. Remember	<ul> <li>Ability to recall of information like, facts, conventions, definitions, jargon, technical terms, classifications, categories, and criteria ability to recall methodology and procedures, abstractions, principles, and theories in the field</li> <li>knowledge of dates, events, places</li> <li>mastery of subject matter</li> </ul>	list, define, tell, describe, recite, recall, identify, show, label, tabulate, quote, name, who, when, where, etc.
2. Understand	<ul> <li>understanding information</li> <li>grasp meaning</li> <li>translate knowledge into new context</li> <li>interpret facts, compare, contrast</li> <li>order, group, infer causes</li> <li>predict consequences</li> </ul>	describe, explain, paraphrase, restate, associate, contrast, summarize, differentiate interpret, discuss
3. Apply	<ul> <li>use information</li> <li>use methods, concepts, laws, theories in new situations</li> <li>solve problems using required skills or knowledge</li> <li>Demonstrating correct usage of a method or procedure</li> </ul>	calculate, predict, apply, solve, illustrate, use, demonstrate, determine, model, experiment, show, examine, modify
4. Analyse	<ul> <li>break down a complex problem into parts.         Identify the relationships and interaction between the different parts of complex         </li> <li>problem.         identify the missing information, sometimes the redundant information and the contradictory information, if any.     </li> </ul>	classify, outline, break down, categorize, analyze, diagram, illustrate, infer, select

### 5. Evaluate

- compare and discriminate between ideas
- assess value of theories, presentations make
- choices based on reasoned argument verify value of evidence recognize subjectivity use of definite criteria for judgments

assess, decide, choose, rank, grade, test, measure, defend, recommend, convince, select, judge, support, conclude, argue, justify, compare, summarize, evaluate

#### 6. Create

- use old ideas to create new ones
- • combine parts to make (new) whole,
- generalize from given facts
   relate knowledge from several areas
   predict, draw conclusions

design, formulate, build, invent, create, compose, generate, derive, modify, develop, integrate

It may be noted that some of the verbs in the above table are associated with multiple Bloom's Taxonomy level. These verbs are actions that could apply to different activities. We need to keep in mind that it's the skill, action or activity we need out students to demonstrate that will determine the contextual meaning of the verb used in the assessment question.

### 3.3 Assessment Planning

While using Bloom's taxonomy framework in planning and designing of assessment of student learning, following points need to be considered:

 Normally the first three learning levels; remembering, understanding and applying and to some extent fourth level analysing are assessed in the Continuous Internal Evaluation (CIE) and semester End Examinations (SEE), where students are given limited amount of time. And abilities; analysis, evaluation and creation can be assessed in extended course works or in variety of student works like course projects, mini / minor projects, internship experience and final year projects.

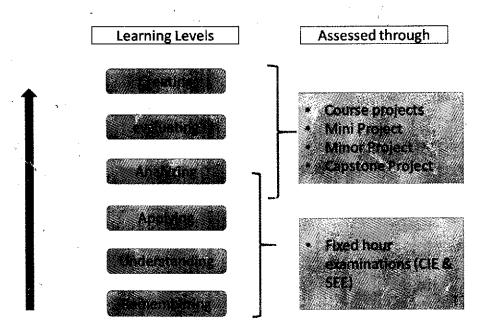


Fig. 3 Assessment methods for different Bloom's cognitive levels

- Before adopting this framework for reforms in examination system of a University/Institution, it is worthwhile to study the present pattern of assessment in each of the course in the program to gain insight about:
  - a) Alignment of assessment questions with course learning outcomes
  - b) Whether all the learning outcomes are tested; sometimes some learning outcomes are over tested at the expense of others which may be not tested at all.
  - c) Overall weightage in the assessment, to each of the Bloom's learning levels
  - d) Assessment methods used to adequately assess the content and desired learning outcomes

Based on the study, improvement priorities for each of the above factors need to be arrived at. The reform process need to be well planned and implemented through institutional strategy and communicated to the all stakeholders particularly to the students.

- 3. A good and reasonable examination paper must consist of various difficulty levels to accommodate the different capabilities of students. Bloom's taxonomy framework helps the faculty to set examination papers that are well balanced, testing the different cognitive skills without a tilt towards a tough or easy paper perception. If the present examination questions are more focussed towards lower cognitive skills, conscious efforts need to be done to bring in application skills or higher cognitive skills in the assessment. It is recommended that at institution/ University level, upper limit need to be arrived for lower order skills (for example, no more than 40% weightage for knowledge-oriented questions). It is important to note that, as nature of every course is different, the weightage for different cognitive levels in the question papers can also vary from course to course.
- Examples of typical questions for each of the Bloom's cognitive level are given in Appendix-B Model question Papers are given in Appendix- C

### 4. Assessing higher-order abilities & Professional Skills

In the 21<sup>st</sup> century, professional skills (also known as soft skills, generic skills or transferable skills) have emerged as important attributes of a graduate engineer. Studies show that Industry / employers around the world value these abilities more than the disciplinary knowledge. This is also reflected in the NBA graduate attributes wherein six out twelve attributes belong to this category, Viz. (1) communication, (2) teamwork, (3) understanding ethics and professionalism, (4) understanding global and societal contexts, (5) lifelong learning, and (6) knowledge of contemporary issues. Further, higher order cognitive abilities like critical thinking, problem solving and making informed decisions are also crucial for a graduate to succeed in the emerging world. Though the employers consider these professional skills and higher abilities as important, our students are weak in them. The main challenge surrounding them is that they are difficult to assess through our conventional examination system.

### 4.1 Innovative Educational experiences to teach and assess

One of the main obstacle in addressing these outcomes is the limitation of educational experience we create within our engineering programs. Most of the coursework in our programs are oriented towards teaching technical knowledge and skills; hence, the assessment is limited to those abilities. However, acquiring the professional outcomes may not result simply from participation in a particular class or set of classes. Rather, these outcomes are more often acquired or influenced through sources both in and outside the classroom (Shuman, Besterfield-Sacre, & McGourty, 2005).

To address these challenges, comprehensive reforms are needed in the way we design our curriculum, student learning experiences and assessment of the outcomes. Worldwide several attempts are being made to address these challenges. Following are the few educational experiences that are recommended to teach and assess professional outcomes and higher order cognitive abilities:

- Course projects
- Open-ended experiments in laboratories
- Project-based learning modules
- MOOCS
- Co-Curricular experiences
- Mini / Minor projects
- Final year projects
- Internship experiences
- E-portfolios of student works

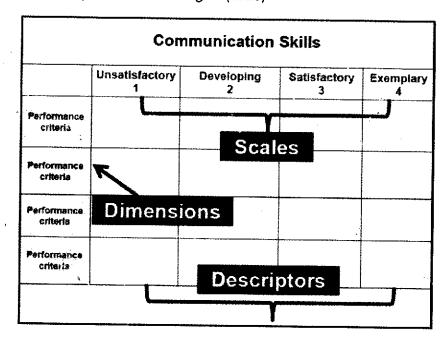
### 4.2 Using Scoring Rubrics as Assessment tool

To evaluate above student works for attainment of course outcomes and hence POs, it is of utmost important to have reliable methods / proper assessment tools. Rubrics provide a powerful tool for assessment and grading of student work. They can also serve as a transparent and inspiring guide to learning. Rubrics are scoring, or grading tool used to measure a students' performance and learning across a set of criteria and objectives. Rubrics

communicate to students (and to other markers) your expectations in the assessment, and what you consider important.

There are three components within rubrics namely (i) criteria / performance Indicator: the aspects of performance that will be assessed, (ii) descriptors: characteristics that are associated with each dimension, and (iii) scale/level of performance: a rating scale that defines students' level of mastery within each criterion.

Examples of Rubrics (Accessed from Rogers (2010)



### 4.3 Open-Book Examinations (OBE)

In the earlier sections it was noted that the traditional written examinations have a significant weakness that they tend to encourage rote learning and more superficial application of knowledge. This deficiency can be overcome by "open book examination". Open book examination is similar to time constrained written examinations but designed in a way that allows students to refer to either class notes, textbooks, or other approved material while answering questions. They are particularly useful if you want to test skills in application, analysis and evaluation i.e. higher levels of Bloom's taxonomy. However, in a program, the courses or the curriculum areas that are best suited to an open book exam are to be carefully chosen.

### Advantages of open-book examinations

- 1. Less demanding on memory and hence less stressful
- 2. Questions can emphasise more on problem solving, application of knowledge and higher order thinking rather than simple recall of facts.
- 3. Assessment questions can reflect real life situations that requires comprehension, information retrieval and synthesising skills of the students to solve.

### **Designing a good Open Book Examination**

- Set questions that require students to do things with the information available to them, rather than to merely locate the correct information and then summarize or rewrite it.
- The questions in open book exam must take advantage of the format, and give more weightage to application of knowledge, critical thinking and use of resources for solving real complex engineering problems.
- As the nature of questions is complex, it is to be ensured that the students get enough time. Open book test questions typically take longer time compared to traditional examinations. It is advisable either to set less number of questions that encompass 2 or 3 concepts taught or allocate longer duration of time for the examinations.

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### **APPENDIX-A**

Competencies and Pl's

Computer Science/ Information Science Programs

PO 1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.

Competency	indicators	
1.2 Demonstrate competence in mathematical modelling	1.2.1	Apply the knowledge of discrete structures, linear algebra, statistics and numerical techniques to solve problems
	1.2.2	Apply the concepts of probability, statistics and queuing theory in modeling of computer based system, data and network protocols.
1.5 Demonstrate competence in basic sciences	1.5.1	Apply laws of natural science to an engineering problem
1.6 Demonstrate competence in engineering fundamentals	1.6.1	Apply engineering fundamentals
Demonstrate competence in specialized engineering knowledge to the program	1.7.1	Apply theory and principles of computer science engineering to solve an engineering problem

PO 2: Problem analysis: Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

Competency :	Indicators	
2.5 Demonstrate an ability to identify and formulate complex engineering problem	2.5.1 2.5.2	Evaluate problem statements and identifies objectives Identifies processes/modules/algorithms of a computer based system and parameters to solve a problem
	2.5.3	Identifies mathematical algorithmic knowledge that applies to a given problem
2.6 Demonstrate an ability to formulate a solution plan	2.6.1	Reframe the computer based system into interconnected subsystems
and methodology for an engineering problem	2.6.2	Identifies functionalities and computing resources.

 2.6.3	Identify existing solution/methods to solve the problem, including forming justified approximations and assumptions
2.6.4	Compare and contrast alternative solution/methods to select the best methods
 2.6.5	Compare and contrast alternative solution processes to select the best process.

2.7 Demonstrate an ability to formulate and interpret a model	2.7.1	Able to apply computer engineering principles to formulate modules of a system with required applicability and performance.
	2.7.2	Identify design constraints for required performance criteria.
2.8 Demonstrate an ability to execute a solution process	2.8.1	Applies engineering mathematics to implement the solution.
and		Analyze and interpret the results using contemporary
analyze results	2.8.2	tools.
· ·	2.8.3	Identify the limitations of the solution and sources/causes.
	2.8.4	Arrive at conclusions with respect to the objectives.

PO 3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

Competency	Indicators	
3.5 Demonstrate an ability to define a complex / openended problem in engineering terms	3.5.1	Able to define a precise problem statement with objectives and scope.
	3.5.2	Able to identify and document system requirements from stake holders.
	3.5.3	Ability to review state of the art literature to synthesize system requirements.
	3.5.4	Ability to choose appropriate quality attributes as defined by ISO/IEC/IEEE standard.
	3.5.5	Explore and synthesize system requirements from larger social and professional concerns.
	3.5.6	Ability to develop software requirement specifications (SRS).

3.6 Demonstrate an ability to generate a diverse set of	3.6.1	Ability to explore design alternatives.
alternative design solutions	3.6.2	Ability to produce a variety of potential design solutions suited to meet functional requirements.
	3.6.3	Identify suitable non functional requirements for evaluation of alternate design solutions.
3.7 Demonstrate an ability to	3.7.1	
select optimal design scheme for further development		Ability to perform systematic evaluation of the degree to which several design concepts meet the criteria.
	3.7.2	Consult with domain experts and stakeholders to select candidate engineering design solution for further development
3.8 Demonstrate an ability to advance an engineering design to defined end state	3.8.1	Ability to refine architecture design into a detailed design within the existing constraints.
	3.8.2	Ability to implement and integrate the modules.
	3.8.3	Ability to verify the functionalities and validate the design.

PO 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Comp	etency	Indicators	
4.4	Demonstrate an ability to conduct investigations of technical issues	4.4.1	Define a problem for purposes of investigation, its scope and importance
	consistent with their level of knowledge and understanding	4.4.2	Ability to choose appropriate procedure/algorithm, data set and test cases.
		4.4.3	Ability to choose appropriate hardware/software tools to conduct the experiment.
4.5	Demonstrate an ability to design experiments to solve open ended problems	4.5.1	Design and develop appropriate procedures/methodologies based on the study objectives
4.6 Demonstrate an ability to analyze data and reach a valid conclusion	4.6.1	Use appropriate procedures, tools and techniques to collect and analyze data	
	4.6.2	Critically analyze data for trends and correlations, stating possible errors and limitations	
		4.6.3	Represent data (in tabular and/or graphical forms) so as to facilitate analysis and explanation of the data, and drawing of conclusions

Synthesize information and knowledge about the 4.6.4 problem from the raw data to reach appropriate conclusions PO 5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. Competency Indicators Identify modern engineering tools, techniques and 5.4 Demonstrate an ability to 5.4.1 resources for engineering activities identify / create modern engineering tools. techniques and resources 5.4.2 Create/adapt/modify/extend tools and techniques to solve engineering problems Identify the strengths and limitations of tools for (i) 5.5 Demonstrate an ability to 5.5.1 acquiring information, (ii) modeling and simulating, (iii) select and apply discipline monitoring system performance, and (iv) creating specific tools, techniques engineering designs. and resources 5.5.2 Demonstrate proficiency in using discipline specific tools 5.6 Demonstrate an ability to 5.6.1 Discuss limitations and validate tools, techniques and evaluate the suitability and resources limitations of Verify the credibility of results from tool use with 5.6.2 tools used to solve an reference to the accuracy and limitations, and the engineering problem assumptions inherent in their use. PO 6; The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice. Competency **Indicators** 6.3.1 6.3 Demonstrate an ability to Identify and describe various engineering roles; describe engineering roles in particularly as pertains to protection of the public and a broader context, e.g. public interest at global, regional and local level pertaining to the environment, health, safety, legal and public welfare 6.4 Demonstrate an 6.4.1 Interpret legislation, regulations, codes, and standards understanding of relevant to your discipline and explain its contribution to professional engineering the protection of the public regulations, legislation and standards PO 7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**Indicators** 

Competency

7.3 Demonstrate an understanding of the impact of engineering and industrial	7.3.1	Identify risks/impacts in the life-cycle of an engineering product or activity
practices on social, environmental and in economic contexts	7.3.2	Understand the relationship between the technical, socio economic and environmental dimensions of sustainability
7.4 Demonstrate an ability to apply principles of sustainable design and development	7.4.1 7.4.2	Describe management techniques for sustainable development  Apply principles of preventive engineering and sustainable development to an engineering activity or product relevant to the discipline

PO 8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Competency	Indicators	· · · · · · · · · · · · · · · · · · ·
8.3 Demonstrate an ability to recognize ethical dilemmas	8.3.1	Identify situations of unethical professional conduct and propose ethical alternatives
8.4 Demonstrate an ability to apply the Code of Ethics	8.4.1	Identify tenets of the ASME professional code of ethics
,	8.4.2	Examine and apply moral & ethical principles to known case studies

PO 9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Competency	Indicators	
9.4 Demonstrate an ability to form a team and define a role for each member	9.4.1	Recognize a variety of working and learning preferences; appreciate the value of diversity on a team
·.	9.4.2	Implement the norms of practice (e.g. rules, roles, charters, agendas, etc.) of effective team work, to accomplish a goal.
9.5 Demonstrate effective individual and team	9.5.1	Demonstrate effective communication, problem solving conflict resolution and leadership skills
operations communication, problem solving, conflict	9.5.2	Treat other team members respectfully
resolution and leadership skills	9.5.3	Listen to other nembers are in difficult
	Maintain compos	situations
9.6 Demonstrate success in a teambased project	9.6.1	Present results as a team, with smooth integration of contributions from all individual efforts

PO 10: Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

Competency	Indicators	
10.4 Demonstrate an ability to comprehend technical literature and document project work	10.4.1	Read, understand and interpret technical and non- technical information
	10.4.2	Produce clear, well-constructed, and well-supported written engineering documents
	10.4.3	Create flow in a document or presentation - a logical progression of ideas so that the main point is clear
10.5 Demonstrate competence in listening, speaking, and presentation	10.5.1	Listen to and comprehend information, instructions, and viewpoints of others
	10.5.2	Deliver effective oral presentations to technical and non-technical audiences
10.6 Demonstrate the ability to integrate different modes of communication	10.6.1	Create engineering-standard figures, reports and drawings to complement writing and presentations
,	10.6.2	Use a variety of media effectively to convey a message in a document or a presentation

PO 11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Competency	Indicators	
11.4 Demonstrate an ability to evaluate the economic and	11.4.1	Describe various economic and financial costs/benefits of an engineering activity
financial performance of an engineering activity	11.4.2	Analyze different forms of financial statements to evaluate the financial status of an engineering project
11.5 Demonstrate an ability to compare and contrast the costs/benefits of alternate proposals for an engineering activity	11.5.1	Analyze and select the most appropriate proposal based on economic and financial considerations.
11.6 Demonstrate an ability to plan/manage an engineering activity within time and budget constraints	11.6.1 11.6.2	Identify the tasks required to complete an engineering activity, and the resources required to complete the tasks.  Use project management tools to schedule an engineering project so it is completed on time and on budget.

PO 12: Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Competency	Indicators	
	mulcators	
12.4 Demonstrate an ability to identify gaps in knowledge and a strategy to close these gaps	12.4.1	Describe the rationale for requirement for continuing professional development
	12.4.2	Identify deficiencies or gaps in knowledge and demonstrate an ability to source information to close this gap
<ul> <li>12.5 Demonstrate an ability to identify changing trends in engineering knowledge and practice</li> </ul>	12.5.1	Identify historic points of technological advance in engineering that required practitioners to seek education in order to stay current
	12.5.2	Recognize the need and be able to clearly explain why it is vitally important to keep current regarding new developments in your field
12.6 Demonstrate an ability to identify and access sources for new information	12.6.1	Source and comprehend technical literature and other credible sources of information
	12.6.2	Analyze sourced technical and popular information for feasibility, viability, sustainability, etc.

### **APPENDIX-B**

Sample questions for Bloom's Taxonomy levels

### Samples questions for Blooms Taxonomy levels:

### 1. Remember

Skill Demonstrated	Question Ques / Verbs for tests			
<ul> <li>Ability to recall of information like, facts, conventions, definitions, jargon, technical terms, classifications, categories, and criteria</li> <li>bility to recall methodology and procedures, abstractions, principles, and theories in the field</li> </ul>	list, define, describe, state, recite, recall, identify, show, label, tabulate, quote, name, who, when, where, etc.			
• knowledge of dates, events, places	]			
mastery of subject matter				

### **Sample Questions:**

- 1. State Ohm's law
- 2. List the physical and chemical properties of silicon
- 3. List the components of A/D converter
- 4. List the arithmetic operators in increasing order of precedence.
- 5. Define the purpose of a constructor.
- 6. Define the terms: Sensible heat, Latent heat and Total heat of evaporation
- 7. List the assembler directives.
- 8. Describe the process of galvanisation and tinning
- 9. Write truth table and symbol of AND, OR, NOT, XNOR gates
- 10. Define the terms; Stress, Working stress and Factor of safety.
- 11. What is the difference between declaration and definition of a variable/function?
- 12. List the different storage class specifiers in C.
- 13. What is the use of local variables?
- 14. What is a pointer on pointer?
- 15. What are the valid places for the keyword break to appear?
- 16. What is a self-referential structure?

### 2. Understand

Skill Demonstrated	Question Ques / Verbs for tests		
<ul> <li>understanding information</li> <li>grasp meaning</li> <li>translate knowledge into new context</li> <li>interpret facts, compare, contrast</li> <li>order, group, infer causes</li> <li>predict consequences</li> </ul>	describe, explain, paraphrase, restate, associate, contrast, summarize, differentiate interpret, discuss		

### **Sample Questions:**

- 11. Explain the importance of sustainability in Engineering design
  - 2. Explain the behaviour of PN junction diode under different bias conditions
  - 3. Describe the characteristics of SCR and transistor equivalent for a SCR
  - 4. Explain the terms; Particle, Rigid body and Deformable body giving two examples for each.
  - 5. How many values of the variable num must be used to completely test all branches of the following code fragment?

```
if (num>0)
            if (value<25)
            {
                 value=10*num;
            if(num<12)
            value=value/10;
            }
            else
                 Value=20*num;
else</pre>
```

- 6. Discuss the effect of Make in India initiative on the Indian manufacturing Industry.
- 7. Summarise the importance of ethical code of conduct for engineering professionals
- 8. Explain the syntax for 'for loop'.
- 9. What is the difference between including the header file with-in angular braces < > and double quotes ""?
- 10. What is the meaning of base address of the array?
- 11. What is the difference between actual and formal parameters?
- 12. Explain the different ways of passing parameters to the functions.
- 13. Explain the use of comma operator (,).
- 14. Differentiate between entry and exit controlled loops.
- 15. How is an Array different from Linked List?

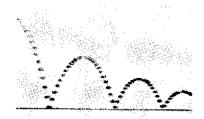
### 3. Apply

Skill Demonstrated	Question Ques / Verbs fo tests			
<ul> <li>use information</li> <li>use methods, concepts, laws, theories in new situations</li> <li>solve problems using required skills or knowledge</li> <li>Demonstrating correct usage of a method or procedure</li> </ul>	calculate, predict, apply, solve, illustrate, use, demonstrate, determine, model, experiment, show, examine, modify			

### Sample Questions:

- 1. Model and realize the following behaviors using diodes with minimum number of digital inputs. (i) Turning on of a burglar alarm only during night time when the locker door is opened.
  - (ii) Providing access to an account if either date of birth or registered mobile number or both are correct.
  - (iii) Updating the parking slot empty light in the basement of a shopping mall.
- One of the resource persons needs to address a huge crowd (nearly 400 members) in the auditorium. A system is to be designed in such a way that everybody attending the session should be able to hear properly and clearly without any disturbance. Identify the suitable circuit to boost the voice signal and explain its functionality in brief.
- 3. A ladder 5.0 m long rests on a horizontal ground & leans against a smooth vertical wall at an angle 20 with the vertical. The weight of the ladder is 900 N and acts at its middle. The ladder is at the point of sliding, when a man weighing 750 N stands on a rung 1.5 m from the bottom of the ladder. Calculate the coefficient of friction between the ladder & the floor.
- 4. A ball is dropped from 6 meters above a flat surface. Each time the ball hits the surface after falling a distance h, it rebounds a distance rh. What will be the total distance the ball travels in each of the following cases.

(a) 
$$r > 1$$
 (b)  $0 < r < 1$  (c)  $r = 1$ 



5. The region bounded by the curves  $y = e^{-1/x}$ , y = 0, x = 1, and x = 5 is rotated about the x-axis. Use Simpson's Rule with n = 8 to estimate the volume of the resulting solid.

- 6. An electric train is powered by machine which takes the supply from 220 V DC rail running above the train throughout. Machine draws current of 100 A from the DC rail to account for high torque during starting and runs at 700 r.p.m initially. Calculate the new speed of the train once it picks up the speed where the torque output required is only 70% of starting torque. Assume the motor has a resistance of  $0.1\Omega$  across its terminals.
- 7. Write an algorithm to implement a stack using queue.
- 8. A single array A[1..MAXSIZE] is used to implement two stacks. The two stacks grow from opposite ends of the array. Variables *top1* and *top2* (*topl< top2*) point to the location of the topmost element in each of the stacks. What is the condition for "stack full", if the space is to be used efficiently.
- 9. Consider the following table of arrival time and burst time for three processes P0, P1 and P2. Process Arrival time Burst Time

PO	0 ms	9 ms
P1	1 ms	4 ms
P2	2 ms	9 ms

The pre-emptive shortest job first scheduling algorithm is used. Scheduling is carried out only at arrival or completion of processes. What is the average waiting time for the three processes?

10. A CPU generates 32-bit virtual addresses. The page size is 4 KB. The processor has a translation lookaside buffer (TLB) which can hold a total of 128-page table entries and is 4-way set associative. What is the minimum size of the TLB tag?

### 4. Analyze

Skill Demonstrated	Question Ques / Verbs for tests		
<ul> <li>break down a complex problem into parts.</li> <li>Identify the relationships and interaction between the different parts of complex problem</li> </ul>	classify, outline, break down, categorize, analyse, diagram, illustrate, infer, select		

### **Sample Questions:**

- A class of 10 students consists of 5 males and 5 females. We intend to train a model based on their
  past scores to predict the future score. The average score of females is 60 whereas that of male is
  80. The overall average of the class is 70. Give two ways of predicting the score and analyse them
  for fitting model.
- 2. Suppose that we want to select between two prediction models, M1 and M2. We have performed 10 rounds of 10-fold cross-validation on each model, whereas the same data partitioning in round one is used for both M1 and M2. The error rates obtained for M1 are 30.5, 32.2, 20.7, 20.6, 31.0, 41.0, 27.7, 26.0, 21.5, 26.0. The error rates for M2 are 22.4, 14.5, 22.4, 19.6, 20.7, 20.4, 22.1, 19.4, 16.2, 35.0. Comment on whether one model is significantly better than the other considering a significance level of 1%.
- 3. Return statement can only be used to return a single value. Can multiple values be returned from a function? Justify your answer.
- 4. Bob wrote a program using functions to find sum of two numbers whereas Alex wrote the statements to find the sum of two numbers in the main() function only. Which of the two methods is efficient in execution and why?
- 5. Carly wants to store the details of students studying in 1<sup>st</sup> year and later on wishes to retrieve the information about the students who score the highest marks in each subject. Specify the scenario where the data can be organized as a single 2-D array or as multiple 1-D arrays.
- 6. Dave is working on a Campus Management Software but is unable to identify the maximum number of students per course. He decided to implement the same using arrays but discovered that there is memory wastage due to over provisioning. Which method of memory storage should be used by Dave and how it can be implemented using C?
- 7. Albert is working on a 32-bit machine whereas Julie is working on a 64-bit machine. Both wrote the same code to find factorial of a number but Albert is unable to find factorial of a number till 9 whereas Julie is able to find the factorial of higher number. Identify the possible reason why Albert is unable to find the factorial. Suggest some changes in the code so that Albert can handle bigger inputs.
- 8. While writing a C code, the problem faced by the programmers is to find if the parenthesis is balanced or not. Write an algorithm to check if the parenthesis in C code are balanced. Initially your code should work for balanced { and } braces.
- 9. Swapping of the data in a linked list can be performed by swapping the contents in the linked list. Can the contents of a linked list be swapped without actually swapping the data?

### 5. Evaluate

Skill Demonstrated	Question Ques / Verbs for tests		
<ul> <li>compare and discriminate between ideas</li> <li>assess value of theories, presentations</li> <li>make choices based on reasoned argument</li> <li>verify value of evidence</li> <li>recognize subjectivity</li> <li>use of definite criteria for judgments</li> </ul>	assess, decide, choose, rank, grade, test, measure, defend, recommend, convince, select, judge, support, conclude, argue, justify, compare, summarize, evaluate		

### 6. Create

<ul> <li>use old ideas to create new ones</li> <li>Combine parts to make (new) whole, generalize from given facts relate</li> <li>knowledge from several areas</li> <li>predict, draw conclusions</li> </ul>	design, formulate, build, invent, create, compose, generate, derive, modify, develop, integrate
	·.

Both higher order cognitive skills 'Evaluate' and 'Create' are difficult to assess in time-limited examinations. These need to be assessed in variety of student works like projects, open ended problem-solving exercises etc. Typical examples of problem statements or need statements which need higher order abilities to solve are given below

### Sample Problem / Need statements:

- 1. Automatic tethering of milking machine to the udder of a cow. A milk diary wants to automate the milking process. The milking process involves attaching the milking cups to the teats. Design a system for the same.
- 2. An electric vehicle uses LIoN batteries. The batteries have to be charged and get discharged during use. The batteries require continuous monitoring during charging and discharging so that they remain healthy and yield a long life. Design a system to monitor and manage the health of the batteries.
- 3. A Biotech industry needs automation for filling its product into 20 ltr bottles. Design a system to meter the flow into the bottles so that each bottle has 20 ltr of the liquid. There will be more than

- one filling station and the system has to monitor all the filling stations as well as keep count of the total production on a daily basis.
- 4. Microwave Doppler radar with a range of 9m are available for motion detection. Design a surround view monitoring system for a 3 wheeler to detect human obstacles while the vehicle is in motion.
- 5. Design a system to assist the driver by using cameras to detect lane markers and pedestrians while the vehicle is in motion.
- 6. Develop a small size USB 2.0 / 3.0 CMOS camera system which can be used for industrial inspection, medical applications, microscopy, etc. The system should be able to capture the image quickly and be able to process the captured image and then store it also

### APPENDIX-C Model Question Papers

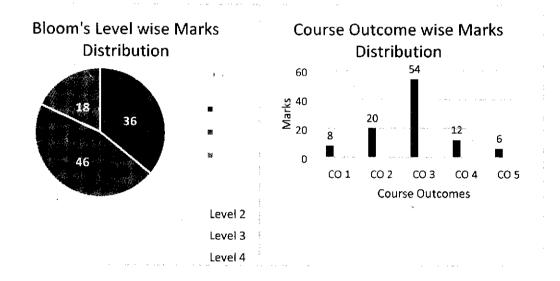
### **Model Question Paper**

### Course: Programming for Problem solving (ESC 103)

Maximum Marks :100; Duration: 03 hours

Q.No	Questions	Marks	СО	BL	PI
1(a)	Explain the steps involved in solving a problem using computer.	08	COI	L2	1.4.1
l(b)	Write an algorithm to find roots of a quadratic equation $ax2 + bx + c = 0$ reading the values of a, b and c.	12	CO2	L3	1.4.1
2(a)	Compare if-else-if and switch statement giving examples for their relevant use.	08	CO2	L2	1.4.1
2b	Write a C program that reads a given integer number and checks whether it a palindrome. A palindrome is a number that has same value even when it is reversed. Eg: 12321 is a palindrome.	12	CO3	L3	1.4.1
3a	Compare the working of three looping constructs of C language giving their syntax.	08	CO3	L2	1.4.1
3b	What does the following program do?  #include <stdio.h>  int main() {     char ch;     int vent = 0, cent=0; for ( ch = getchar(); ch !=     '\n'; ch=getchar()){    if(ch=='a'    ch=='e'    ch=='i'        ch=='o'    ch=='u'   </stdio.h>	12	CO4	L4	1.4.1
4a	Compare call by value and call by reference with relevant examples.	8	CO3	L2	1.4.1
Ī	Write a C function to find the largest and smallest in a given list of inegers of size n using call by reference:  void minmax( int list[ ], int n, int *min, int *max);	12	CO3	L3	1.4.1

5a	Explain at least four file handling operations available in C language giving their syntax.	4	CO3	L2	1.4.1
5b	Identify the bug in the following function written to return the swapped values of two integer variables given:	6	CO5	L4	1.4.1
Q.No	Questions	Marks	CO	BL	PI
	<pre>int swap( int *x, int *y) {   int *temp;   temp = x, x=y, y = temp; }</pre>				
5c	Define a structure to store time with three components hours, mins and seconds. Write a modular C program to compute the time taken by an athlete to complete a marathon reading the start and end time of his run.	10	CO3	L3	1.4.1



BL – Bloom's Taxonomy Levels (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)

**CO – Course Outcomes** 

PO – Program Outcomes; PI Code – Performance Indicator Code

Model Question Paper for End Semester Examination Course Name: Programming for Problem Solving

Duration: 3 hrs.; Max. Marks: 100

### **Instructions:**

- a. Attempt five questions selecting ONE from each section. Question 9 (Section E) is compulsory.
- b. All the questions carry equal marks.
- c. Draw neat diagrams wherever applicable.

Q. No	Question	Mark	BL	CO	PO	PI
		s				Code
	Section-A		<u> </u>	1	<u>.                                    </u>	1
1	a. What is an algorithm? Explain the characteristics of an algorithm.	2+6	1,2	2	1	1.4.1
	b. Write an algorithm to find angle between hour and minute hands of a clock at a given time.	7	3	3	1	1.4.1
	c. Is it mandatory to declare main() function with return type as void or int. What will be the effect if there is no return type declared for main() function?	3+2	4	3	1	1.4.1
	OR		<u></u>			
2	a. What is the difference between definition and declaration in	3+2	2,4	3	1	1.4.1
-	C? When a user writes "int x;" is it treated as declaration or definition in C.					
	b. Write a program in C to find largest of 3 positive integer numbers using conditional operators.	7	3	3	1,2	1.4.1, 2.2.4
	c. What is meant by iterative statements? What are the different types of iterative statements in C?	8	1,2	3	1	1.4.1
	Section-B			i		<u> </u>
3	a. Shyam has placed N objects in a row which are marked with a number equal to their weight in Kg. He wants to check whether the objects are in increasing order of their weights or not. Write a C program to help Shyam.	12	3	3,6,7	1,2	1.4.1,
	b. Differentiate between Big-O and Big-Omega notation.	4	2	3	1	1.4.1
	c. What is the role of index in an array? How are the elements of a 2D array accessed in C?	2+2	2	3	1	1.4.1

 <u></u>	
OR	

	a.	Ram is conducting a study which is based on counting the	4+4+4	3	3,6,7	1,2	1.4.1,
		number of cars crossing the highway. Every hour he				ĺ	2.2.4
		generates a random string containing sequence of characters					
		<pre><rbwbwr>, where r represents red color, w denotes white</rbwbwr></pre>					
		color and b denotes blue color cars. The string is forwarded					
		to Shyam for analysis who computes the number of red,					
		blue and white color cars crossing Ram every hour. Assume					
		that Ram works for 5 hours in a day, help Shyam generate					
		a daily report containing the following:					
		i. Total number of different colour cars crossing Ram					
, , , , , , , , , , , , , , , , , , , ,		in an hour. ii. Total number of different colour	4				
•		cars crossing Ram in a day.	٠,		Ì		
		iii. Total number of cars crossing Ram in a day.					
	b.	What is a variable? Explain the ways to declare scope of a	2+6	1,2	3	1	1.4.1
	1	variable.				1	1
	<u> </u>	variable.			<u> </u>	L <u></u>	
	<u> </u>	variable.			<u> </u>	<u> </u>	
	<u> </u>	Section-C			<u> </u>	<u> </u>	L
5	a.	Section-C	12	3	3,6,7	1,2	1.4.1
5		Section-C  Write a program which will read positive integer numbers from the users and compute the sum if the number can be expressed as power of 2. The test whether a number can be expressed as power of 2 will be done using a function		3	3,6,7	1,2	1.4.1
5		Section-C  Write a program which will read positive integer numbers from the users and compute the sum if the number can be expressed as power of 2. The test whether a number can be expressed as power of 2 will be done using a function power_of_two(int a).  What is recursion? Differentiate between homogeneous and					
6		Section-C  Write a program which will read positive integer numbers from the users and compute the sum if the number can be expressed as power of 2. The test whether a number can be expressed as power of 2 will be done using a function power_of_two(int a).  What is recursion? Differentiate between homogeneous and heterogeneous recursion with the help of an example.	2+3+3				
		Section-C  Write a program which will read positive integer numbers from the users and compute the sum if the number can be expressed as power of 2. The test whether a number can be expressed as power of 2 will be done using a function power_of_two(int a).  What is recursion? Differentiate between homogeneous and heterogeneous recursion with the help of an example.  OR  a. What are the different ways to pass parameters to a	2+3+3	2	3	1	1.4.1
		Section-C  Write a program which will read positive integer numbers from the users and compute the sum if the number can be expressed as power of 2. The test whether a number can be expressed as power of 2 will be done using a function power_of_two(int a).  What is recursion? Differentiate between homogeneous and heterogeneous recursion with the help of an example.  OR  a. What are the different ways to pass parameters to a function? Explain with the help of a suitable example.	2+3+3	2	3,5	1	1.4.1

7	a. What is a structure? What is the benefit offered by using structure over multiple arrays?	a 2+6	2	5	1	1.4.1
	b. Ram is working on a project which requires returnin multiple values from a function. He observed that a return statement can only be used to return a single value from function. How the function should be implemented so the multiple values can be returned by Ram?	n a	4	5	1	1.4.1
	OR					
8	a. Write a program that reads a number as input from the use	r. 12	3	5	1	1.4.1
	The entered number is written to a file "even.txt" if the input is even else it is written to "odd.txt". Write a C code to perform the desired task.					
	b. What are the different methods to open a file? Explain each with the help of a C program.	h 3+5	2	5	1	1.4.1
	Section-E (Compulsory Question)	)				
9	a. What is a compiler? List names of any 2 compilers.	2 1/2	1	1	1	1.4.1
	b. What are the benefits of designing a flowchart for solvin a problem?	g 2 ½	4	2	1	1.4.1
	c. What is the output of the following code?  int main() { int  x=10; int  y=sizeof(x/2);  printf("%d",y);  }	2 1/2	3	4	1	1.4.1
	d. What is the difference between creating constant usin #define macro and const keyword?	g 2 ½	3	3	1	1.4.1
	e. What is the role of function prototype? When is it required in C?	d 2 ½	2	3	1	1.4.1
	<ul> <li>f. Which of the following are unary operators in C? Stat reason for your answer.</li> <li>a. !</li> <li>b. sizeof</li> <li>c. ~</li> </ul>	2 1/2	2	3	1	1.4.1
	d. &&					

	g. Which of the following special symbol allowed in a	2 ½	2	3	1	1.4.1
	variable name? State reason for your answer. a. *					
	(asterisk)					
	b.   (pipeline)					
	c (hyphen)					
	d (underscore)					
,	h. In which header file is the NULL macro defined? State	2 ½	2	3	1	1.4.1
	reason for your answer. a. stdio.h					
	b. stddef.h					
	c. stdio.h and stddef.h					1
	d. math.h					

BL – Bloom's Taxonomy Levels (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)

CO - Course Outcomes

PO - Program Outcomes; PI Code - Performance Indicator Code

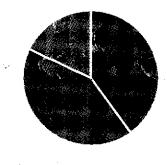
Model Question Paper Total Duration (H:M): 3:00 Course : Basic Electrical Engineering (ESC101) Maximum Marks :100

Q.No	Questions	Marks	СО	BL	PI
1(a)	Calculate current through 4 $\Omega$ resistor using Kirchoff's Laws? Verify the same using Superposition Theorem.	12	CO1	L3	1.3.1
1(b)	Derive the expression for the transient current in a series 'R-L' circuit when a 'dc' voltage of V volts is applied. Sketch time variation of current in the circuit.	8	CO1	L2	1.3.1

			<del>,</del>		
2(a)	Two impedances $Z_1$ =15+j12 $\Omega$ and $Z_2$ =8-j5 $\Omega$ are connected in parallel. If the potential difference across one of the impedance is 250 V, calculate i) total current and branch currents ii) total power and power consumed in each branch iii) overall p.f. IV) draw the phasor diagram	12	CO2	L3	1.3.1
2b	It is desired to operate a 100 W, 120 V, electric bulb at its rated current on a 240 V, 50 Hz supply. The simplest arrangement is to use either (a) a resistor, or (b) a capacitor or (c) an inductor having 10 $\Omega$ resistance in series with the electric bulb so as to drop the excess voltage. Determine the value of the component used, the total power consumed and the power factor in each case. Giving reasons, state which alternative is the best.	8	CO2	L4	1.3.1
3a	A single phase 25 kVA 1000/2000 V, 50 Hz transformer has maximum efficiency of 98% at full load upf. Determine its efficiency at, (a) 3/4 <sup>th</sup> full load, unity power factor (b) 3/4 <sup>th</sup> full load 0.8 power factor	12	СОЗ	L3	1.3
3b	Explain the working of a practical transformer with relevant phasor diagram, and define voltage regulation.	8	CO3	L2	1.3.1
4a	A two pole 3 phase 50 Hz induction motor is running on load with a slip of 4%. Calculate the actual speed and the synchronous speed of the machine. Sketch the speed/ load characteristic of the machine.	8	CO4	L2	1.3.1
4b	A wireless battery powered drilling machine operates on 24 V DC with constant speed and negligible field current. Initially when the machine is powered it runs at 1200 rpm and draws 0.5 A from the battery. Further when the drill bit starts drilling the hole, the speed reduces to 1120 rpm.	12	CO4	L4	1.3.1
Q.No	Questions	Marks	СО	BL	PI
	Determine power requirement from the battery for drilling if the resistance of the armature is $0.2\Omega$ . What is the power drawn initially?				
5a	Explain the working principle of a single phase pulse width modulated voltage source inverter with relevant circuit diagram and draw the output voltage wave form.	8	CO5	L2	1.3.1
5b	To protect an expensive circuit component from being delivered too much power, you decide to incorporate a fast blowing fuse into the design. Knowing that the circuit component is connected to 12 V, its minimum power consumption is 12 watts and the maximum power it can safely dissipate is 100 watts, which of the three available fuse ratings should you select: 1A, 4A or 10 A? Give reasons.	6	CO6	L4	1.3.1

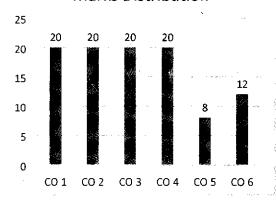
cell which is dis terminal voltage	ampere-hour and ii) watt-hour efficiency of a secondary charged at a uniform rate of 30 A for 6 hours at an average of 2 V. It is then charged at a uniform rate of 40 A for 5 it to its original condition. The terminal voltage during V.	6	CO6	L3	1.3.1	
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Level 2 \*\* Level 3 \*\* Level 4

### Course Outcome wise Marks Distribution



BL – Bloom's Taxonomy Levels (1- Remembering, 2- Understanding, 3 – Applying, 4 – Analysing, 5 – Evaluating, 6 - Creating)

CO – Course Outcomes

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### APPENDIX-D Sample Scoring Rubrics

# Rubrics for Communication (written & Oral)

Component	Proficient	Acceptable	Needs Improvements
Written Communication	Report is well organized and clearly written.  The underlying logic is clearly articulated and easy to follow. Words are chosen that precisely express the intended meaning and support reader comprehension. Diagrams or analyses enhance and clarify presentation of ideas. Sentences are grammatical and free from spelling errors.	Report is organized and clearly written for the most part. In some areas the logic or flow of ideas is difficult to follow. Words are well chosen with some minor exceptions. Diagrams are consistent with the text. Sentences are mostly grammatical and only a few spelling errors are present but they do not hinder the reader.	Report lacks an overall organization. Reader has to make considerable effort to understand the underlying logic and flow of ideas. Diagrams are absent or inconsistent with the text. Grammatical and spelling errors make it difficult for the reader to interpret the text in places.
Presentation Visual Aids	Slides are error-free and logically present the main components of the process and recommendations. Material is readable and the graphics highlight and support the main ideas.	Slides are error-free and logically present the main components of the process and recommendations. Material is mostly readable and graphics reiterate the main ideas.	Slides contain errors and lack a logical progression. Major aspects of the analysis or recommendations are absent. Diagrams or graphics are absent or confuse the audience.
Oral Presentation	Speakers are audible and fluent on their topic, and do not rely on notes to present or respond. Speakers respond accurately and appropriately to audience questions and comments.	Speakers are mostly audible and fluent on their topic, and require minimal referral to notes. Speakers respond to most questions accurately and appropriately.	Speakers are often inaudible or hesitant, often speaking in incomplete sentences. Speakers rely heavily on notes. Speakers have difficulty responding clearly and accurately to audience questions.
Body Language	Body language, as indicated by appropriate and meaningful gestures (e.g., drawing hands inward to convey contraction, moving arms up to convey lift, etc.) eye contact with audience, and movement, demonstrates a high level of comfort and connection with the audience.	Body language, as indicated by a slight tendency to repetitive and distracting gestures (e.g., tapping a pen, wringing hands, waving arms, clenching fists, etc.) and breaking eye contact with audience, demonstrates a slight discomfort with the audience.	Body language, as indicated by frequent, repetitive and distracting gestures, little or no audience eye-contact, and /or stiff posture and movement, indicate a high degree of discomfort interacting with audience.

Rubrics for Assessment of Design Projects

			9
Category	Needs Improvements	Acceptable	Proficient
Purpose of the Project	Does not clearly explain the intended outcome of the project or provides little information about the problem that was being solved, the need being met, or why the project was selected	Provides a description of the intended outcome of the project which includes information about the problem that was being solved or the need being met, and why the project was selected	Provides a detailed intended outcome of the project which includes information about the problem that was being solved or the need being met, and clearly articulates the reasons and decisionmaking process used to select the project
Research	Lacks awareness of similar work done by others in an unacceptable literary form	Reflects awareness of similar work done by others and presents it in an acceptable literary format	Reflects thorough understanding of similar work done by others and presents it in a acceptable literary format
Choices	Lacks justification of choices with little or no references to functional, aesthetic, social, economic, or environmental considerations	Justifies choices made with reference to functional, aesthetic, social, economic, or environmental considerations	Demonstrates sophisticated justification of choices with reference to functional, aesthetic, social, economic, or environmental consideration
Alternative Designs	Only one design presented or clearly infeasible alternative given. Serious deficiencies in exploring and identifying alternative designs.	Alternative approaches identified to some degree.	Final design achieved after review of reasonable alternatives.
Application of Engineering Principles	No or erroneous application of engineering principles yielding unreasonable solution. Serious deficiencies in proper selection and use of engineering principles.	Effective application of engineering principles resulting in reasonable solution.	Critical selection and application of engineering principles ensuring reasonable results.
Final Design	Not capable of achieving desired objectives.	Design meets desired objectives.	Design meets or exceeds desired objectives.

					Ì	
Interpretation	Interpretation No or erroneous conclusions based on	Sound conclusions	reached	based	ou	on Insightful, supported conclusions and
of Results	achieved results. Serious deficiencies in	achieved results.				recommendations.
	support for stated conclusions.					

Rubrics can also be used effectively to design the continuous assessment of the student projects. The Performance Indicators referred in the previous sections can be used measurement criteria in the rubric. In the following example we can see that for different phases of the students projects, we can design the rubrics keeping in mind the deliverables of the project at that particular stage.

### 5 - Semester Mini Project

## RUBRICS FOR REVIEW - I

PI Code	PI	Marks	Very Poor Up to 20%	Poor Up to 40%	Average Up to 60%	Good Up to 80%	Very good Up to 100%
2.1.1	Articulate problem statements and identify objectives - GA	02	Problem statement and objectives are not identified	Problem statement and objectives are not clear	Problem statement is clear and objectives are not in line with problem statement	Problem statement is clear and objectives are not completely defined.	Problem statement is clear and objectives are completely defined
2.1.2	Identify engineering systems, variables, and parameters to solve the problems - IA	02	Engineering systems are not identified.  Variables, and parameters to solve the problems are not defined	Engineering systems are identified but not clear. Variables, and parameters to solve the problems are not defined	Engineering systems are clear. Variables, and parameters to solve the problems are not defined	Engineering systems are identified. Variables, and parameters to solve the problems are partially defined	Engineering systems are identified. Variables, and parameters to solve the problems are completely defined
2.2.3	Identify existing processes/solution methods for solving the problem, including forming justified approximations and assumptions - GA	02	Not able to identify existing solution for solving the problem. The assumptions, approximations and justifications are also not identified.	Not able to identify existing solution for solving the problem. The assumptions, approximations and justifications are identified but not clear	Not able to identify existing solution for solving the problem. But assumptions and approximations are aligned to the objectives.	Able to identify existing solution for solving the problem. Assumptions, and approximations are clear	Able to identify existing solution for solving the problem. But assumptions, approximations and justifications are clear
2.2.4	Compare and contrast alternative solution processes to select the best process - GA	02	Not able to identify alternative solution processes	Not able to compare alternative solution processes	Able to compare alternative solution processes but could not contrast clearly	Able to compare alternative solution processes and contrast clearly but not able to select best process	Able to compare alternative solution processes, contrast it and also able to select best process

	Read, understand and					Able to read technical Able	Able to read Able	Able to	read
	interpret technical and		Not able to identify Able	Able to	identify	identify and non-technical	and	understand	and
10.1.1	non-technical	05	technical and non-	nontechnical		information, but	but and non-technical interpret technical and	interpret techni	cal and
	information - GA		technical information	information	•	could not understand	information, but	non-technical	
						and interpret	could not interpret	information	

GA - Group Assessment

IA – Individual Assessment

# RUBRICS FOR REVIEW – II

PI	i	Mark	Very Poor	Poor Un	Average	Cond IIn	Very good IIn
Code	M	S	Up to 20%	to 40%	Up to 60%	to 80%	to 100%
3.2.1	Apply formal idea generation tools to develop multiple engineering design solutions - GA	02	Not able to identify tools to develop solutions	Able to identify but not able to use it effectively	Able to use the tool but not able to generate engineering designs	Able to generate engineering designs but not able to justify	Able to generate engineering designs with justification
3.2.3	Identify suitable criteria for evaluation of alternate design solutions - GA	02	Not able to identify criteria	Able to identify criteria but not able to use them	Able to use criteria but not able to compare alternatives	Not able to justify the comparison with criteria	Able to justify the comparison with criteria
3,3.1	Apply formal decision making tools to select optimal engineering design solutions for further development - GA	02	Not able to identify decision making tools	Able to identify but not able to choose optimum one	Able to identify optimum one but not able to use it	Able to use optimum one but not able to justify	Able to use optimum one with justification
3.2.2	Build models/prototypes to develop diverse set of design solutions - IA	05	Not able to identify tool to build model/prototype	Able to choose the tool but not able to use it effectively	Able to use the tool but not able to generate alternatives	Able to generate alternatives but not able to justify the best solution	Able to generate and justify the best solution
13.1.1	Develop 2D drawings of components / systems using modern CAD tools -	02	Not able to identify CAD tools	Able to identify but not able to use CAD tool	Able to use CAD tool but not able to generate drawings	Able to generate drawings but not able to follow drawing standards	Able to generate drawings with standards
13.1.2	Develop 3D models of components / systems using modern CAD tools - IA	03	Not able to identify CAD tools	Able to identify but not able to use CAD tool	Able to use CAD tool but not able to generate 3D models	Able to generate models but not able to follow standards	Able to generate models with standards

Able to apply GD&T Able to apply and standards to drawings justify GD&T out not able to justify standards to drawings
Able to apply GD&T Able to standards to drawings justify but not able to justify
Able to understand but not able to apply GD&T standards
Able to extract but not be able to understand them
Not able to extract GD&T principles from ASME standards
02
Apply GD&T principles as per ASME standards to manufacturing drawings, with all relevant data like material, hardness, surface finish, and tolerances - IA
13.1.3

7

GA - Group Assessment

IA – Individual Assessment

RUBRICS FOR REVIEW – III

Contribution from an errors and limitations is good and results in an integrated team presentation and able to answer all queries Very good Up individual to a team Able to collect data as per the standards information for the improvement to 100% Deliver effective Able to identify of the audience. Able to apply presentation. A contribution from an procedure but not able individual to a team is presentations but able errors and limitations to answer partially to the audience queries. Able to correlate but information but not not able to identify good but not well groomed in team. able to apply it for Good Up Deliver effective to 80% Able to collect Able to follow to collect data mprovement Able to follow testing Able to analyze data able to answer to the experiments but not presentation but not Able to deliver fair Contributions from procedures but not Up to 60% an individual to a team is moderate Average Able to conduct but not able to correlate them able to collect able to follow information procedure audiences not able to analyze data Able to identify but not Able to identify but not Able to understand but Contributions from an individual to a team is able to follow testing Poor Up Could not deliver presentation was presentation, but to 40% able to conduct prepared and experiments procedure attempted. minimal Not able to understand data effective presentations. No Contribution from an individual to a team tools, techniques and Not able to identify Up to 20% Not able to identify Very Poor suitable tests to be Could not deliver procedures done Marks 02 8 6 8 03 individual efforts - GA + through appropriate tests presentations to technical Present results as a team, of contributions from all and correlations, stating with smooth integration experiments and collect Analyze data for trends techniques to conduct Generate information procedures, tools and Deliver effective oral to improve or revise possible errors and and non-technical imitations - GA Use appropriate audiences - IA P design - GA data - GA ΙĄ 10.2.2 Code 3.4.2 4.3.1 4.3.2 9.3.1 PI

GA - Group Assessment

IA – Individual Assessment

## **AICTE Committee on Examination Reforms**

### **Members of the Committee**

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- 4. Prof Upendra Pandel Professor, Dept. of Metallurgical & Material Engineering, MNIT Jaipur.

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## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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Professor of Computer science and Engineering&

DIRECTOR OF EVALUATION

Lr. No. DE-731/ JNTUH/ B. Tech. I Year I Sem (R18) Regular/Supplementary, I-I (R16) Supply & I Year (R15, R13, R09) Supply Examinations December-2019/January-2020, Date: 28-10-2019.

To
The Principals of
JNTUH Constituent and Affiliated Colleges offering B. Tech. Courses

Sir,

Sub: JNTUH, Hyderabad - Examination Branch - B. Tech. I Year I Sem (R18) Regular/Supply and I-I (R16) Supply & I Year (R15, R13, R09) Supply Examinations December-2019/January-2020 - Notification - Instructions to the Principals -Reg.

The Principals of the constituent and affiliated B. Tech. Colleges are here by informed that the University Examination Branch issues notification for the conduct of B. Tech. I Year I Sem (R18) Regular/Supply, I-I (R16) Supply & I Year (R15, R13, R09) Supply Examinations December-2019/January-2020.

This notification is issued for the conduct of following examinations:-

B.TECH.
B. Tech. I Year I Semester (R18) – Regular/ Supplementary
B. Tech. I Year I Semester (R16) – Supplementary
B. Tech. I Year (R15, R13, R09) - Supplementary

## The Principals are requested to note the following instructions.

1. Every college has to make the consolidated fees (Exam. Registration fee + Condonation fee + Corrected marks memos charges + part-1 cut slip penalties ) payment for all the above examinations in the form of a single RTGS / NEFT / GRPT Transfer to the Registrar's Bank Account No.62079988622 (State Bank of India, JNTUH Campus Branch, IFSC/RTGS/GRPT Code: SBIN0021008

(Contd .2)

SREYAS INSTITUTE OF ENGG.&TECH, 9-39, Sy.No: 107, Tattiannaram (V). GSI, Bandiaguda, Nagole, Hyd-68.

2. The Student registration should be done through the specified url address given in the table

Table: URL address for different colleges

COLLEGE CODES	URL address
7, 8, 24, 25, 26, 27, 28, 32, 37, 60, 64, 65, 68, 84, 86, 87, 91, 92, 95, 1R, 5R, 5X, 6C,6D, 6E, 6J, 6K, 6L, 6P, 6R, 6T, 6U, 6X, 6Y, 7A, 7G, AN, B7, B9, BD, BR, C2, C3, C4,C5, C6, C8, D9, E3, E6, EK, HD, J0, J1, J4, J9, K4, K7, K8, K9, L5, M6, N0, N6, N9,P8, PP, Q9, QD, QK, QP, QT, R0, R2, R4, R7, RC, RH, RJ, RT, S4, S5, TD, TF, TJ, TK,TM, TR, U3, U5, U8, UC, UD, UE, UK,UM, UN, UU, W0, W7, W9,WH, X6.	http://registrations1.jntuh.ac.in/olrbtech
14, 21, 29, 36, 40, 56, 57, 58, 59, 62, 63, 66, 79, 80, 82, 83, 89, 93, 94, 5A, 5C,5G, 5J, 5Q, 5T, 5Y, 5Z, 6B, 6N, 6W, 7D, 7E, 7N, 7P, 7U, 7W, 8B, AU, B3, B4, B5, BH, C1, C7,D0, D1, D3, D7, DN, E0, E4, E5, E7, FG, G7, J3, J6, J7, K0, L0, M5, M8, N2, N5, QE,QG, QN, QU, RE, RF, RM, RN, RQ, RR,SS, TA, TE, TH, TN, TT, TU, U2, U7, UA, UF,UG,UH,UQ,UT,WJ,WK,WL,X8	http://registrations2.jntuh.ac.in/olrbtech
30, 31, 61, 67, 88, 5D, 5E, 5F, 5U, 5W, 6A, 6F,6H, 6M, 6Q, 6Z, 7B, 7C, 7F, 7Q, 7T 7R, 7Y, 7Z, 8A, 8P, 8Q, 8R, 8U, 8W, 8X, 8Y, 9A, 9B, 9C, 9G, 9J, 9K, 9L, 9M, 9P, 9R, AG, AQ, B6, B8, BA, BE, BK, BT, C0, C9, D2, D4, D5, D6, D8, E1, E2, GE, GM, H1,H2, H3, H5, H6, H8, J2, J5, J8, JJ, K3, L7, M1, M2, M3, M4, M9, N1, N3, N4, N7, N8,P0, P6, P7, PQ, PR, PT, PU, Q6, Q8, QA, QC, QF, QH, QJ, QM, QQ, QR, R1, R3, R5,R9, RA, RD, RG, RK, RP, RU, S1, S3, T8, TC, TG, TP, TQ, U0, U1, U6, UJ, UP, UR, VD, VE, VF, VG, W1, W4, W8, X0, X3, X7	http://registrations3.jntuh.ac.in/olrbtech

3. Different deadlines for different schedules of events, schedule for booklet collections and the other details are mentioned here under.

## STUDENT EXAMINATION REGISTRATION SCHEDULE

EVENT	Start date of registration for Both Regular & Supplementary (at respective colleges))	Last date of registration for both Regular & Supplementary (at respective colleges)	Date for Consolidated Fees Payment (Single RTGS transfer For both Regular & Supplementary Exams and condonation fee)
Exam Registration Without Late Fee	01-11-2019	11-11-2019	
Exam Registration With Late Fee of Rs.100/-	12-11-2019	18-11-2019	
Exam Registration With Late Fee of Rs.1000/-	19-11-2019	21-11-2019	21-12-2019 & 23-12-
Exam Registration With Late Fee of Rs.2000/-	22-11-2019	21-12-2019	2019
Exam Registration With Late Fee of Rs.5000/-	22-12-2019	28-12-2019	For I Year I Sem &
Exam Registration With Late Fee of Rs.10000/- * This late fee application should be manually submitted along with demand draft.	29-12-2019	to Till end of the exams	I Year

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GSI, Bandiaguda, Nagole, Hyd-6.

(Contd.3)

Following activities need to the completed before coming for the collection of exam stationary

<b>a.</b> Submission of Consolidated fees (Exam. Registration fee + Condonation fee + Corrected marks memos charges + part-1 cut slip penalties) transfer receipt.	am stationary
<b>b</b> . Submission of year-wise detained lists and Condonation lists	College wise schedule is given in the
<b>c</b> . Hard copy of proposed list of observers (minimum of six members). The soft copy of the list should be mailed to the ACE concerned before the time deadline specified by respective ACEs.	table below
	9
d. Submission of clearance certificate wherever necessary	
Collection of pre-printed Answer booklets and practical OMR answer sheets as	
mentioned in the table below, by submitting the receipt obtained from the counter to the officer concerned.	Refer the table below
Uploading of Attendance of last fortnight for I Year I Sem Regular students.	20-12-2019 (03.00 pm)
DD Report available for Downloading and making payment	21-12-2019
Downloading (through examination portal) and issue of hall-tickets	23-12-2019
Intimation of discrepancies in the pre-printed answer booklets to Examination Branch in person only by college representative	24-12-2019
Collect the correct answer booklets of discrepancy cases	27-12-2019
Detained and Condonation list will be generated by University	21-12-2019
The last dates for uploading Internal marks	28-12-2019
The last dates for uploading external lab marks	28-12-2019
Submission of consolidated Internal and external lab marks hard copy on or before Addl. Controller of Examinations (Online)	30-12-2019

## ANSWER BOOKLET COLLECTION SCHEDULE (for B.Tech. I Year I Sem & I Year)

S.N O	DATE	COLLEGE CODES	Officer concerned for issue of stationary and allotment of observers
1	23-12-2019	7, 8, 24, 25, 26, 27, 28, 32, 37, 60, 64, 65, 68, 84, 86, 87, 91, 92, 95, 1R, 5R, 5X, 6C,6D, 6E, 6J, 6K, 6L, 6P, 6R, 6T, 6U, 6X, 6Y, 7A, 7G, AN, B7, B9, BD, BR, C2, C3, C4,C5, C6, C8, D9, E3, E6, EK, HD, J0, J1, J4, J9, K4, K7, K8, K9, L5, M6, N0, N6, N9,P8, PP, Q9, QD, QK, QP, QT, R0, R2, R4, R7, RC, RH, RJ, RT, S4, S5, TD, TF, TJ, TK,TM, TR, U3, U5, U8, UC, UD, UE, UK, UM, UN, UU, W0, W7, W9,WH, X6	ACE-2 (Dr. B. Kranthi Kiran))
2	24-12-2019	14, 21, 29, 36, 40, 56, 57, 58, 59, 62, 63, 66, 79, 80, 82, 83, 89, 93, 94, 5A, 5C,5G, 5J, 5Q, 5T, 5Y, 5Z, 6B, 6N, 6W, 7D, 7E, 7N, 7P, 7U, 7W, 8B, AU, B3, B4, B5, BH, C1, C7,D0, D1, D3, D7, DN, E0, E4, E5, E7, FG, G7, J3, J6, J7, K0, L0, M5, M8, N2, N5, QE,QG, QN, QU, RE, RF, RM, RN, RQ, RR,SS, TA,TE, TH, TN, TT, TU, U2, U7, UA, UF,UG,UH,UQ,UT,WJ,WK,WL,X8	(ACE-3 (Mrs. T.MADHAVI KUMARI))
3	24-12-2019	30, 31, 61, 67, 88, 5D, 5E, 5F, 5U, 5W, 6A, 6F, 6H, 6M, 6Q, 6Z, 7B, 7C, 7F, 7Q, 7T 7R, 7Y, 7Z, 8A, 8P, 8Q, 8R, 8U, 8W, 8X, 8Y, 9A, 9B, 9C, 9G, 9J, 9K, 9L, 9M, 9P, 9R, AG, AQ, B6, B8, BA, BE, BK, BT, C0, C9, D2, D4, D5, D6, D8, E1, E2, GE, GM, H1, H2, H3, H5, H6, H8, J2, J5, J8, JJ, K3, L7, M1, M2, M3, M4, M9, N1, N3, N4, N7, N8, P0, P6, P7, PQ, PR, PT, PU, Q6, Q8, QA, QC, QF, QH, QJ, QM, QQ, QR, R1, R3, R5, R9, RA, RD, RG, RK, RP, RU, S1, S3, T8, TC, TG, TP, TQ, U0, U1, U6, UJ, UP, UR, VD, VE, VF, VG, W1, W4, W8, X0, X3, X7	ACE-4 ( Dr.L.SAIDA NAIK)

(Contd .4)

SREYAS INSTITUTE OF ENGG.&TEC: 9-39, Sy.No: 107, Tattiannaram, (V), 9-39, Sy.No: 107, Tattiannaram, (V), GSI, Bandlaguda, Nagole, Hyd-68,

#### Amount to be retained by colleges

YEAR & SEMESTER	Regular (Rs.)	Supplementary (Irrespective of No. of subjects) (Rs.)	
I Year I Sem (R18)	250 - 30* + 10** = 230	125-18*+10**=117	
I Year I Sem (R16)		125-18*+10**=117	
I Year (R15, R13, R09)		156-21*+10**=145	

<sup>\*</sup> Logistic postal service, \*\* Hall Ticket charges \*\*\* Remuneration for Host center should be calculated as perLr.DE / JNTUH / EB / Remuneration / Change of center / 2012 dt.:26-06-12

#### Condonation fee to be collected

I Year I Semester Condonation Fee for each student	Rs 300 /-

- 4. In the case of regular students attending class-work, the students have to pay the examination fee for regular exams of I Year I Semester only when the attendance requirement is satisfied. However, the examination registrations should be completed as per time schedule mentioned in this notification. If any student is detained due to shortage of attendance, but paid the examination fee, arrange to refund the regular examination fee before transfer of Consolidated fees to University.
- 5.JNTUH through Proceeding No. JNTUH/EB/11148/2/2018 Dated.20-01-2018 have extended certain benefits to Physically Handicapped students (deaf, dumb, hearing impaired, orthopedically handicapped and visually handicapped) such as exemption from payment of examination fee and pass marks. The principals may submit the certificate of permanent disability in the year of admissions and it holds good for entire duration of the course. The colleges need not submit proof of disability for every series of exams (Only in case of permanent disability).
- 6. Upload the faculty details for each of the registered subject of the regular series using the appropriate menu service, for the purpose of appointing them for spot valuation duty or as Examiners / Resource persons for various confidential works, it is mandatory. If the faculty member is already registered as a valuer, the valuer ID must also be entered. If any faculty member services cannot be extended for spot valuator duty, appropriate service may be used to mention the same
- 7. The University exam branch shall issue the faculty specific orders for spot valuation duty. Inaddition another letter to principal of the parent college will be sent informing the faculty members selected for spot valuation duty. The colleges should depute the faculty for spot valuation duty without fail and treat their absence as on-duty. It will be counted as present in University BAS.
- 8. All the Principals are requested to take proper care in uploading and sending the hard copy of Internal Marks for all regular students, who are promoted in that semester irrespective of their registration/non-registration for University examinations.
- 9. The Lab external marks in each lab examination have to be uploaded using the respective registration portals. After the successful upload and freeze, the examiners and the Principal have to put their signature on the print out of the system generated PDF report. These reports are to be sent on the first day of university exams along with the consolidated internal marks hard copy reports.

(Contd.5)

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V). GSI, Bandlaguda, Nagole, Hyd-68.

- 10. The Principals are hereby informed, by direction, if award lists of the Lab Examinations and hard copy of consolidated internal marks are not received by the University examination branch on or before the scheduled date, absent will be shown in result and no correction will be entertained later.
- 11. The request for the Challenge Valuation shall only be considered for those who applied for revaluation in the specific subject.
- 12. If any student applied for RC/RV and if the results are not declared by the time of start of registrations for exams., the candidates are advised to register as per the time schedule given in the notification even for the subjects in which they have failed and waiting for RC/RV results. However, if the candidate passes the examination in RC/RV results, the Principals are requested to take necessary steps to refund examination fee paid by the students for the subjects in which he/she passed and transfer the consolidated fees excluding the above amount.
- 13. Do not carry out any correction in the subjects registered after the registration deadline. Even for the candidates who pass in RC/RV, deletion should not be done. All such cases will attract the late fee which is prevailing on that date of correction. The registrations of such students who passed in RC / RV will be deleted by the exam branch before the generation of DD report. If revaluation/ challenge valuation result are declared after the generation of DD report, that amount will be shown as credit and adjusted in the next series of examinations. All the requests for other types of corrections are to be made separately by the Principals on their letterheads to DE
- 14. While collecting the stationary of University exams the envelope of all the returned marks memos (due to RC/RV or name correction) should be submitted at the counters.
- 15. Any deletion request after approval of examination registration attracts a fine of Rs.100/- per student per semester.
- 16. If any subject correction is received after the closure of the registrations, all such corrections will attract a penalty of Rs.100/- per subject, per student. Hence the Principals are requested to thoroughly verify before carrying out the registrations.
- 17. Upload of information about the usage of blank booklets is mandatory. Other-wise it may lead to non-declaration of result. The Part-1 cut-slips of such used blank answer booklets (generally such cut-slips in any college shall be a single digit number) are to be sent in separate pre-printed envelopes which shall be issued to each college along with the stationary.
- 18. On the last day of regular series exams one sealed envelope and on the last day of supply series exams the second sealed envelope consisting Part-1 cut slips of used blank booklets should be sent along with last exam answer scripts (through postal van ). On top of the envelope "used blank booklets part-I cut slips" should be written in bold letters.
- 19. If any college uses blank answer booklet, unless the student details are furnished, the D-form cannot be generated. Appropriate changes in the software will be incorporated to ensure this rule. Hence all the Principals are informed to keep the cut slips of blank used answer booklets ready before generating the pdf report of D-Form of that session(day) exams.
- 20. D-Form for each session should be uploaded within one hour after completion of examination duly incorporating malpractice / court cases. If any college fails to upload the D-Forms, the EDEP question papers of the following day shall not be kept in their respective Principal accounts. Principals are requested to take necessary care during upload of D-form. Any failure in upload due to technical problems must be brought to the notice of ACE(Online) (Mobile No.: 9704033577, 9989980170.)

(Contd .6)

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V) GSI, Bandiaguda, Nagole, Hyd-68 21. Whenever a pre-printed answer booklets is found stitched with two OMRs, following decision is to be taken

S.No	Issue	Decision
1	The students of both the OMR sheets are present for the exams	The booklet should be given to the candidate whose particulars are printed on top OMR. The bottom OMR should be torn at perforations, retaining the top OMR
2	If one of the two students are present and the other student is absent	Tear off the OMR sheet of absent student at perforations and issue the booklet to the student who is present

- 22. Answer scripts of the Malpractice cases are to be kept in a separate sealed cover and are to be sent on the same day to Dr B Ravinder Reddy ACE (Academic & Legal), Examination Branch, JNTUH, Kukatpally, Hyderabad-500085 and such cases are to be reported as Malpractice Cases in D-form. However the exam answer scripts of the students which belong to 'Court case' category are to be included in the main answer booklets bundles of the same section and addressed to the concerned ACEs. On the sealed envelope of malpractice booklets' malpractice case answer booklets' should be written with Red –Ink Pen.
- 23. Residual exam material is to be separated into the following parts and each part has to be separately packed. Part-I: Unused blank booklets, Part-II: Answer booklets of the students who are absent and Part-III: Part-I cut-slips of pre-printed answer booklets of the students who are present for the Univ. exams (Please note that Part-I cut-slips of used blank answer booklets should be submitted in a separate envelope along with the exam material of the last exam, through logistic post van Refer Instruction 18). If volume of any part is large and cannot be bundled as a single packet, such parts may be divided into several packets, in which case it should be mentioned as 1/n, 2/n..., if there are n packets. all the colleges are informed to scrupulously follow these instructions related to residual material.
- 24. Unused blank booklets and booklets of absent students should be retained in the host college only. However the parent colleges are informed to take a copy of the present & absent statements (D-forms) from the host colleges.
- 25. The blank answer booklets should not be exchanged among the colleges. The Univ. exam branch maintains the record of range of answer booklets given to each college, if exchange happens anywhere, it will be treated as malpractice and serious action will be taken on both the issued college and used colleges.
- 26. Notifications for the students are enclosed along with this letter. The Principals are requested to display the same in the students notice board.
- 27. If there are any discrepancies like the question is incomplete in the question paper or a question is out of syllabus, all such discrepancies should be submitted to Director of Evaluation within 3 days of that examination. Otherwise such requests will not be entertained.
- 28. Part-1 cut slips of answer booklets are to be torn off at the host centre for all the used answer scripts. Similar to the counting of used answer booklets, the part-1 cut slips are also to be counted. Both the counts must be matched. If any college neglects to remove Part-1 cut slip of any answer script, the matter will be viewed very seriously and a penalty of Rs 1000/- per each un-cut Part-1 slip will be levied and a memo will be issued.

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH

9-39, Sy.No: 107, Tattiannaram (V.

9-39, Sy.No: 107, Magole, Hyd-60.

(Contd.7)

- 29. Instructions to Chief superintendents, Instructions to Invigilators and Instructions to Observers which were communicated along with this notification shall be scrupulously followed.
- 30. The Cooperation of the Principals is highly solicited for smooth processing and early declaration of examination results.

DATE: 28-10 -2019.

Copy To:

CE, All ACEs, All B.Tech. Affiliated Colleges (through portal), AR (EXAMS)

Yours sincerely

Sd/-DIRECTOR OF EVALUATION

PRINCIPAL
SREYAS INSTITUTE OF ENGG.&TECH
9-39, Sy.No: 107, Tattiannaram (V)
GSI, Bandlaguda, Nagole, Hyd-62



#### EXAMINATION BRANCH JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500 085

NOTIFICATION FOR B.TECH. I YEAR I SEM (R18) REGULAR/SUPPLY, I\_I (R16) SUPPLY & (R15/R13/R09) I YEAR SUPPLY EXAMINATIONS, DECEMBER-2019/JANUARY-2020

#### FOR

B.TECH. - I YEAR I SEMESTER REGULAR/SUPPLY EXAMINATIONS (R18) REGULATIONS [ For R18-2018, 2019 REGULAR ADMITTED BATCHES ONLY

B.TECH. - I YEAR I SEMESTER SUPPLY EXAMINATIONS (R16) REGULATIONS [ For R16 - 2016, 2017 REGULAR ADMITTED BATCHES ONLY ]

B.TECH. I YEAR SUPPLEMENTARY EXAMINATIONS (R15/R13/R09) REGULATIONS

[For R15- 2015 REGULAR ADMITTED BATCHES ONLY]
[For R13- 2013 AND 2014 REGULAR ADMITTED BATCHES ONLY]
[For R09- 2010,2011,2012 REGULAR ADMITTED BATCHES ONLY]

The students appearing for the above examinations commencing from 30-12-2019 are informed to note time schedule given below:

EXAM REGISTRATION	START DATE	END DATE
Exam Registration Without Late Fee	01-11-2019	11-11-2019
Exam Registration With Late Fee of Rs.100/-	12-11-2019	18-11-2019
Exam Registration With Late Fee of Rs.1000/-	19-11-2019	21-11-2019
Exam Registration With Late Fee of Rs.2000/-	22-11-2019	21-12-2019
Exam Registration With Late Fee of Rs.5000/-	22-12-2019	28-12-2019
Exam Registration With Late Fee of Rs.10000/-  * This late fee application should be manually submitted along with demand draft.	29-12-2019	to Till end of the exams

## EXAMINATION FEE FOR I YEAR I SEM (R18 REGULAR/SUPPLY & R16 SUPPLY):

FOR WHOLE EXAMINATION (ALL SUBJECTS)	Rs.760/-
FOR ONE SUBJECT (THEORY/PRACTICAL)	Rs.360/-
FOR TWO SUBJECTS (THEORY/PRACTICAL/BOTH)	Rs.460/-
FOR THREE SUBJECTS (THEORY/PRACTICAL/BOTH)	Rs.560/-
FOR FOUR SUBJECTS & ABOVE (THEORY/PRACTICAL/BOTH)	Rs.760/-

## EXAMINATION FEE FOR I YEAR SUPPLY (R15, R13, R09 REGULATIONS):

FOR WHOLE EXAMINATION (ALL SUBJECTS)	Rs.1010/-
FOR ONE SUBJECT (THEORY/PRACTICAL)	Rs.360/-
FOR TWO SUBJECTS (THEORY/PRACTICAL/BOTH)	Rs.460/-
FOR THREE SUBJECTS (THEORY/PRACTICAL/BOTH)	Rs.560/-
FOR FOUR SUBJECTS (THEORY/PRACTICAL/BOTH)	Rs.660/-
FOR FIVE SUBJECTS & ABOVE (THEORY/PRACTICAL/BOTH)	/Rs. 1010/-

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH 9-39, Sy.No: 107, Tattiannaram (V) GSI, Bandlaguda, Nagole, Hyd-6t

#### Note:-

- i) The students have to contact the Principal for online registration of Examinations (both Regular & Supply) for the forthcoming University Exams. The exam registrations have to be directly carried out by logging in to University registrations server from the respective colleges.
- ii) JNTUH through Proceeding No. JNTUH/EB/11148/2/2018 Dated.20-01-2018 have extended certain benefits to Physically Handicapped students (deaf, dumb, hearing impaired, orthopedically handicapped and visually handicapped) such as exemption from payment of examination fee and pass marks. The principals may submit the certificate of permanent disability in the year of admissions and it holds good for entire duration of the course. The colleges need not submit proof of disability for every series of exams (Only in case of permanent disability)...
- iii) For the students applied for RC/RV, if the results are not declared by the time of start of registrations for exams, the students are advised to register as per the time schedule given in this notification even for the subjects in which they have failed and waiting for RC/RV results. However, if the student passes the examination in RC/RV results, the examination fee paid for passed subjects will be refunded by the concerned Principals and the registrations of the student in that subject will be automatically deleted.
- iv) Hall tickets are to be issued by the Principal only to the eligible candidates who fulfill the academic requirements of the University. The students are informed to note that mere payment of examination fee does not guarantee eligibility for appearing for examination.
- v) The Registrations should be done through JNTUH Exam Registration Portals only.
- vi) JNTUH Exam Registration Portals urls
  - 1.http//registrations1.jntuh.ac.in/olrbtech
  - 2.http//registrations2.jntuh.ac.in/olrbtech
  - 3.http//registrations3.jntuh.ac.in/olrbtech
- vii) The helpline numbers are: 9704033577 and 9989980170. Any problems in registration should Email: <a href="mailto:jntuhsdc@gmail.com">jntuhsdc@gmail.com</a>.

DATE: 28-10-2019

Sd/-DIRECTOR OF EVALUATION

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-58



KUKATPALLY.HYDERABAD-500 085

## PROCEEDINGS OF THE DIRECTOR OF EVALUATION Procs.No.JNTUH/EB/B.Tech/VV/2019, Dt:24.4.2019

Sub: JNTUH - Examinaton Branch-Appointment of External Examiner for conduct of Project Viva-Voce Exam -Orders-Issued.

#### **ORDER**

The Principal, Sreyas Institute of Engg. & Technology, has sent the panel of external examiners for conducting project viva-voce examination in respect of B.Tech. IV - II Course students has requested the university to issue necessary orders appointing the external examiners. The following is the list of examiners appointed to conduct Project Viva-Voce Examination.

Name Of The Course	Approved External Examiner
B.Tech(CE)  Panel_Id: VE_A_01_1_19	Dr. G. V. K. REDDY PROFESSOR Civil Vardhaman College of Engineering, Kacharam, Shamshabad â¿¿ 501 218, Hyderabad, Telangana, India. vkgaddam@gmail.com 9490118339
B.Tech(ME) (SECTION : 1)  Panel_Id : VE_A_03_1_19	Dr. K. Chandrashekar Professor ME Vignan Istitute of Technology & Science, Deshmukhi, near RFC, Nalgonda, 508284. kcschandra2003@gmail.com 9849505037
B.Tech(ME) (SECTION : 2)  Panel_Id : VE_A_03_2_19	S. Venugopal Rao Assoc. Professor ME CMRIT,Medchal,Hyderabad svgrao1@gmail.com 9948042085
B.Tech(ECE) (SECTION : 1)  Panel_ld : VE_A_04_1_19	Dr. L. NIRMALA DEVI PROFESSOR ECE ASSOC. PROFESSOR & CHAIR PERSON (BOS) UNIVERSITY COLLEGE OF ENGINEERING, OSMANIA UNIVERSITY, HYDERABAD. nagiitkgp@gmail.com 9949513490

/	
B.Tech(ECE) (SECTION: 2)	Dr. B. PRABHAKAR RAO
Panel_Id : VE_A_04_2_19	PROFESSOR ECE ASSOCIATE PROFESSOR, DEPARTMENT OF ECE, JNTUH COLLEGE OF ENGINEERING, JAGITIAL. bprabhakar2008@gmail.com 9493216372
B.Tech(ECE) (SECTION: 3)	Dr. P. CHANDRA SEKHAR REDDY
Panel_Id : VE_A_04_3_19	PROFESSOR ECE PROFESSOR, DEPARTMENT OF ECE, JNTUH COLLEGE OF ENGINEERING, HYDERABAD. drpcsreddy@gmail.com 9490931650
B.Tech(ECE) (SECTION: 4)	Dr. B. RAJENDER NAIK
Panel_Id : VE_A_04_4_19	PROFESSOR ECE PROFESSOR, DEPARTMENT OF ECE, UNIVERSITY COLLEGE OF ENGINEERING, OSMANIA UNIVERSITY, HYDERABAD. rajendernaikb@gmail.com 9441222226
B.Tech(CSE) (SECTION : 1)	Dr O B V RAMANAIAH Professor
Panel_ld : VE_A_05_1_19	CSE JNTUHCEH obvramanaiah@jntuh.ac.in 9440501888
B.Tech(CSE) (SECTION: 2)	Dr. S. Suresh Kumar
Panel_ld : VE_A_05_2_19	Assoc. Professor IT HOD, JNTUHCEJ, Jagtial. sureshsanampudi@gmail.com 9440936885
B.Tech(CSE) (SECTION: 3)	Dr O B V RAMANAIAH
Panel_ld : VE_A_05_3_19	Professor CSE JNTUHCEH obvramanaih@jntuh.ac.in 9440501888
B.Tech(CSE) (SECTION: 4)	Dr. SK. Abdul Nabi
Panel_ld : VE_A_05_4_19	Professor CSE HOD, AVN Institute of Engineering & Technoogy, Ramdas Pally, Telangana 501510. dr.nabi.cse@gmail.com 9248011446

The Principal is requested to arrange for conduct of viva-voce examination from 25-04-2019 to 04-05-2019. Upload the project viva awarded marks to the JNTUH University Examination Portal(The uploading service will be enabled from 25-04-2019 AN). Take the printout of system generated marks report and get it signed with internal & external examiners and submit the same to DE/JNTUH.

\* Note: The project viva-voce examiner alloted for section A shall act as examiner for all other sections supplimentary students also.

TO THE PRINCIPAL Sreyas Institute of Engg. & Technology Asured

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DIRECTOR OF EVALUATION



KUKATPALLY, HYDERABAD-500 085

## PROCEEDINGS OF THE DIRECTOR OF EVALUATION

Procs.No.JNTUH/EB/B.Tech/VV/2020, Dt:20.5.2020

Sub: JNTUH - Examination Branch-Appointment of External Examiner for conduct of Project Viva-Voce Exam -Orders-Issued.

#### **ORDER**

The Principal, Sreyas Institute of Engg. & Technology, has sent the panel of external examiners for conducting project viva-voce examination in respect of B.Tech. IV - II students has requested the university to issue necessary orders appointing the external examiners. The following is the list of examiners appointed to conduct Project Viva-Voce Examination.

Name Of The Course	Approved External Examiner
B.Tech(CE)	S. Madan Mohan
Panel_ld : VE_A_01_1_23	Professor Civil Engg. Gurunanak Institute hodcivil.gnit@gniindia.org 8096609827
B.Tech(ME) (SECTION : 1)	Dr. A.V.S.S. Kumara Swami Gupta Professor
Panel_Id : VE_A_03_1_23	MECH JNTUH CEH avs_gupta@jntuh.ac.in 9849427331
B.Tech(ME) (SECTION : 2)	Haji Banothu Asst. Professor
Panel_Id : VE_A_03_2_23	Mech. Engg. Gurunanak Institutions Technical Campus, Inbrahimpatnam, Ranga Reddy. haji.banothu@gmail.com 9010496795
B.Tech(ECE) (SECTION : 1)	Dr. P. Chandrasekhar Reddy BOS Chairman & Professor
Panel_Id : VE_A_04_1_23	ECE JNTUH College of Engineering, Hyderabad. drpcsreddy@gmail.com 9490931650
B.Tech(ECE) (SECTION : 2)	Dr. B. Prabhaker
Panel_Id : VE_A_04_2_23	Associate Professor ECE JNTUH College of Engineering, Jagtial. bprabhakar2008@gmail.com 9493216372

B.Tech(ECE) (SECTION : 3)  Panel_Id : VE_A_04_3_23	Dr. B. Rajendra Naik Professor & HOD ECE University College of Engineering, Osmania University, Hyderabad. rajendranaikb@gmail.com 9441222226
B.Tech(ECE) (SECTION : 4)  Panel_Id : VE_A_04_4_23	Dr. L. Nirmala Devi BOS Chair Person & Associate Professor ECE University College of Engineering, Osmania University, Hyderabad. nagiitkgp@gmail.com 9949513490
B.Tech(CSE) (SECTION : 1)  Panel_Id : VE_A_05_1_23	Dr. A. Jagan Professor & Dean CSE Dr. BV Raju Inst. of Technology. jagan.amgoth@bvrit.ac.in 9866879555
B.Tech(CSE) (SECTION : 2)  Panel_Id : VE_A_05_2_23	Dr. B. Vishnu Vardhan Professor of CSE & Vice-Principal CSE JNTUH CEH mailvishnu@jntuh.ac.in 9848435073
B.Tech(CSE) (SECTION : 3)  Panel_ld : VE_A_05_3_23	Dr. K.Venkatesh Sharma Professor CSE CVR College of Engineering sharmajntuk@gmail.com 9866087283
B.Tech(CSE) (SECTION : 4)  Panel_ld : VE_A_05_4_23	Kuna. Naresh Assoc. Professor CSE Tkr College of Engineeeing and Technology kunanaresh@tkrcet.com 8328239144

The Principal is requested to arrange for conduct of viva-voce examination from 21-05-2020 to 31-05-2020. Upload the project viva awarded marks to the JNTUH University Examination Portal. Take the printout of system generated marks report and get it signed with internal & external examiners and submit the same to DE/JNTUH.

TO THE PRINCIPAL Sreyas Institute of Engg. & Technology

DIRECTOR OF EVALUATION

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH.

9-39, Sy.No: 107 Tattiannaram (V).

GSI, Bandla

<sup>\*</sup> Note: The project viva-voce examiner alloted for section A shall act as examiner for all other sections supplimentary students also.



KUKATPALLY.HYDERABAD-500 085

## PROCEEDINGS OF THE DIRECTOR OF EVALUATION Procs.No.JNTUH/EB/B.Tech/VV/2019, Dt:22.11.2019

Sub: JNTUH - Examinaton Branch-Appointment of External Examiner for conduct of Mini-Project Viva-Voce Exam -Orders-Issued.

#### **ORDER**

The Principal, Sreyas Institute of Engg. & Technology, has sent the panel of external examiners for conducting mini-project viva-voce examination in respect of B.Tech. IV - I(R16 Regulation) students has requested the university to issue necessary orders appointing the external examiners. The following is the list of examiners appointed to conduct Mini-Project Viva-Voce Examination for B.Tech IV-I (R16 Regulation).

Name Of The Course	Approved External Examiner
B.Tech(CE)	Prof. S. Madan Mohan Professor
Panel_ld : VE_A_01_1_201	Civil Engineering Guru Nanak Institute of Technology, Ibrahimpatnam, R. R. Dist, Telangana, India, Telephone: +91 8414-202120, 202155 upraveengoud@gmail.com 8096609827
B.Tech(ME) (SECTION : 1)	Dr. K.Chandrashekar Professor
Panel_ld : VE_A_03_1_201	MECH Professor Vignan Istitute of Technology & Science, Deshmukhi, near RFC, Nalgonda, 508284 kcschandra2003@gmail.com
	9849505037
B.Tech(ME) (SECTION : 2)	S. Venugopal Rao Associate Professor
Panel_ld : VE_A_03_2_201	MECH Assoc. Prof, CMRIT,Mdechal,Hyderabad
	svgrao1@gmail.com 9948042085

REYAS INSTITUTE OF ENGG.&TECH.
2-39, Sy.No: 107, Tattiannaram (V),
3SI, Bandlag.da, Hagole, Hyd-68.

B.Tech(ECE) (SECTION: 1)	Dr.B.Rajendra Naik
Panel_Id : VE_A_04_1_201	Professor ECE Professor & HOD, Department of ECE, Department of ECE, Osmania University, Hyderabad, Telangana State, INDIA, PIN: 500007
	rajendranaikb@gmail.com 9441222226
B.Tech(ECE) (SECTION : 2)  Panel_Id : VE_A_04_2_201	Dr.P.Chandra Shekar Reddy Professor ECE Professor, JNTUH University college of Engineering, JNTUH Hyderabad drpcsreddy@gmail.com
B.Tech(ECE) (SECTION : 3)  Panel_Id : VE_A_04_3_201	9490931650  Dr. P. Chandra Sekhar Professor ECE Professor, Department of ECE, University College of Engineering, Osmania University sekharpaidimarry@gmail.com 9866695963
B.Tech(ECE) (SECTION : 4)  Panel_Id : VE_A_04_4_201	Prof.Dr.Y.Raghavendra Rao Professor ECE Professor, Department of ECE, JNTUH College of Engineering, Sulthanpur yraghavenderrao@gmail.com 9989654005
B.Tech(CSE) (SECTION: 1)  Panel_ld: VE_A_05_1_201	Dr. K. Srinivas Professor IT Professor, Geethanjali College of Engineering and Technology Cheeryala(V) Keesara(M), Medchal Dist. Telangana 501301. katkamsrinu@gmail.com 9866546163
B.Tech(CSE) (SECTION : 2)  Panel_Id : VE_A_05_2_201	Mr. Irfan Pasha Assistant Professor CSE Asst. Professor, Sphoorthy Engineering College, Nadargul, Hyderabad. moghal.irfanpasha@gmail.com 9701887826
B.Tech(CSE) (SECTION: 3)  Panel_Id: VE_A_05_3_201	Dr. SK. Abdul Nabi Professor CSE Professor & HOD, AVN Institute of Engineering & Technoogy, Ramdas Pally, Telangana 501510. csehod@avniet.ac.in 9248011446

Aswest SREYAS INSTITUTE OF ENGG.&TECH.
9-39, Sy.No: 107, Tattiannaram 9-39, Sy.No: 107, Tattiannaram (\*). SI. Bandlaguda, Nagole, Hyd-68.

B.Tech(CSE) (SECTION : 4)

Panel\_Id : VE\_A\_05\_4\_201

DR M Chandra Mohan

Professor

CSE

JNTUCEH

c\_miryala@jntuh.ac.in

9963068742

The Principal is requested to arrange for conduct of Mini-Project viva-voce examination from 25-11-2019 to 30-11-2019. Upload the mini project viva-voce awarded marks to the JNTUH University Examination Portal(The uploading service will be enabled from 25-11-2019 AN). Take the printout of system generated marks report and get it signed with internal & external examiners and submit the same to DE/JNTUH.

\* Note: The mini-project viva-voce examiner alloted for Section-A shall act as examiner for all readmitted students which were treated as separate section during fortnight attendence uploading. Marks shall be uploaded by selecting the section which was used for fortnight attendence uploading.

TO THE PRINCIPAL Sreyas Institute of Engg. & Technology

DIRECTOR OF EVALUATION

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PRINCIPAL
SREYAS INSTITUTE OF ENGG.&TECH.
9-39, Sy.No: 107, Tattiannaram (V).
GSI, Bandlaguda, Nagole, Hyd-68.

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H IV YEAR B.TECH - II SEMESTER- R15 REGULATION-ADVANCED SUPPLEMENTRY EXAMINATIONS JULY-2019 T I M E T A B L E

TIME: → FN 10:00 AM TO 1:00 PM

BRANCH	15-07-2019 MONDAY	17-07-2019 WEDNESDAY	19-07-2019 FRIDAY	22-07 -2019 MONDAY	24-07-2019 WEDNESDAY
CIVIL Construction ENGINEERING Management (01-CE) (Common to CE, CEE)		Design and Drawing of Irrigation Structures			
	E1 Rehabilitation and	Geo Environmental Engineering	Prestressed Concrete Structures		
	Retrofitting of Structures	Solid Waste Management			
ELECTRICAL AND	Principles of Reliability Engineering	Fundamentals of UVOC	Advanced Control Systems	FUNAS	Neural Networks and
ELECTRONICS ENGINEERING (02-EEE) Renewable Energy Sources	Renewable Energy	Fundamentals of HVDC and FACTS Devices		- EHV AC - Transmission	Fuzzy Logic (Common to EEE, EIE)
		South 10 the Control of Control of State and Provided State Control of State of Control of Control of State of Control of State of Control of Control of State of Control of State of Control of Co	Nanotechnology		

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## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H

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TIME: → FN 10:00 AM TO 1:00 PM

BRANCH	15-07-2019 MONDAY	17-07-2019 WEDNESDAY	19-07-2019 FRIDAY	22-07 -2019 MONDAY	24-07-2019 WEDNESDAY
MECHANICAL ENGINEERING (03-ME)  Production Planning and Control (Common to ME, MECT)	Artificial Neural Networks (Common to ME,MECT,MSNT)	Computational fluid dynamics (Common to ME,MSNT)	2		
	,	Maintenance and Safety Engineering (Common to ME, AME, MSNT)	Gas Dynamics	_	Plant layout and Material Handling
	(Common to ME, MECT)	Total Quality	Jet Propulsion & Rocket Engineering		(Common to ME,AME)
	Management	Renewable Energy Sources (Common to ME, AME, MSNT)	. 1-7		
ELECTRONICS	Network Security (Common to ECE, ETM)	Artificial Neural Networks	Digital signal processors and architectures	Wireless	
AND Radar Systems (Common to ECE, ETM (04-ECE) Telecommunication	Radar Systems (Common to ECE, ETM)	Biomedical Instrumentation	RF Circuit Design (Common to ECE, ETM)	communications and networks	
	Switching Systems and	Satellite Communications (Common to ECE, ETM)	. ,	(Common to ECE, ETM)	

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DATE: 27-06-2019

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H IV YEAR B.TECH - II SEMESTER- R15 REGULATION-ADVANCED SUPPLEMENTRY EXAMINATIONS JULY-2019 T I M E T A B L E

TIME: → FN 10:00 AM TO 1:00 PM

BRANCH	15-07-2019 MONDAY	17-07-2019 WEDNESDAY	19-07-2019 FRIDAY	22-07 -2019 MONDAY	24-07-2019 WEDNESDAY
		Information Security Incident Response & Management (Security Analyst 3) (Common to CSE, IT)	Database Security		
COMPUTER SCIENCE AND ENGINEERING (05-CSE)	Management Science (Common to CSE, IT)	Predictive Analytics (Associate Analytics 3) (Common to CSE, IT)	Embedded Systems	Ad hoc and Sensor Networks (Common to CSE, IT)	Multimedia & Rich Internet Applications- (Common to CSE, IT)
		Scripting Languages	Storage Area Networks	11)	
		Semantic Web and Social Networks	(Common to CSE, IT)		
		Web Services			
		Fluidization Engineering	Energy Engineering		
CHEMICAL ENGINEERING	INEERING Control Engineering	Membrane Technology - (Common to CHEM, PTME)	Food Processing Technology		
(08-CHEM) Control Engineering	Technology of Pharmaceuticals and Fine Chemicals	Industrial safety and Hazard management		Notice Board Co Removed go:	

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H IV YEAR B.TECH - II SEMESTER- R13 REGULATION-ADVANCED SUPPLEMENTRY EXAMINATIONS JULY-2019 T I M E T A B L E

TIME→ FN: 10.00 AM TO 1.00 PM

BRANCH	15-07-2019 MONDAY	17-07-2019 WEDNESDAY	19-07-2019 FRIDAY	22-07-2019 MONDAY	24-07-2019 WEDNESDAY
CIVIL Construction ENGINEERING (01-CE) (Common to CE, CEE)		Design and Drawing of Irrigation Structures			
	E1 Rehabilitation and Retrofitting of Structures	Geo Environmental Engineering	Prestressed Concrete Structures		
		8		1.5	
			Solid Waste Management		
ELECTROPICS		Advanced Control Systems EHV AC		Neural Networks and	
	Fundamentals of HVDC and FACTS Devices		EHV AC Transmission	Fuzzy Logic	
		Nanotechnology		(Common to EEE, EIE)	

DATE:27-06-2019

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## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H

## IV YEAR B.TECH - II SEMESTER- R13 REGULATION-ADVANCED SUPPLEMENTRY EXAMINATIONS JULY-2019 TIME TABLE

TIME→ FN: 10.00 AM TO 1.00 PM

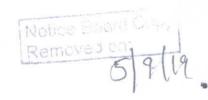
BRANCH	15-07-2019 MONDAY	17-07-2019 WEDNESDAY	19-07-2019 FRIDAY	22-07-2019 MONDAY	24-07-2019 WEDNESDAY
		Artificial Neural Networks (Common to ME,MECT,MSNT)	Computational fluid dynamics (Common to ME,MSNT)		
MECHANICAL Production Planning and Control	The state of the s	Maintenance and Safety Engineering (Common to ME, AME, MSNT)	Gas Dynamics		Plant layout and Material Handling
(03-ME)	(Common to ME, MECT)	Total Quality	Jet Propulsion & Rocket Engineering		(Common to ME,AME)
	Management Renewab (Common	Renewable Energy Sources (Common to ME, AME, MSNT)			
ELECTRONICS	Network Security (Common to ECE, ETM)	Artificial Neural Networks	Digital signal processors and architectures	Wireless	
COMMUNICATION (Common to	Radar Systems (Common to ECE, ETM)	Biomedical Instrumentation	RF Circuit Design (Common to ECE, ETM)	communications and networks	
ENGINEERING (04-ECE)	Telecommunication Switching Systems and Networks	Satellite Communications (Common to ECE, ETM)		(Common to ECE, ETM)	

DATE: 27-06-2019

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H IV YEAR B.TECH - II SEMESTER- R13 REGULATION-ADVANCED SUPPLEMENTRY EXAMINATIONS JULY-2019 T I M E T A B L E

TIME → FN: 10.00 AM TO 1.00 PM

BRANCH	15-07-2019 MONDAY	17-07-2019 WEDNESDAY	19-07-2019 FRIDAY	22-07-2019 MONDAY	24-07-2019 WEDNESDAY
		Information Security Incident Response & Management (Security Analyst 3) (Common to CSE, IT)	Database Security		
COMPUTER SCIENCE AND ENGINEERING (05-CSE)	Management Science (Common to CSE, IT)	Predictive Analytics (Associate Analytics 3) (Common to CSE, IT)	Embedded Systems	Ad hoc and Sensor Networks (Common to CSE,	Multimedia & Rich Internet Applications- (Common to CSE, IT)
	,	Scripting Languages	Storage Area Networks (Common to CSE, IT)	IT)	(Common to CSE, (1)
		Semantic Web and Social Networks			
		Web Services			
		Fluidization Engineering	Energy Engineering		
CHEMICAL ENGINEERING	Industrial Pollution & Control Engineering	Membrane Technology - (Common to CHEM, PTME)	Food Processing Technology		
(08-CHEM)	Control Engineering	Technology of Pharmaceuticals and Fine Chemicals	Industrial safety and Hazard management		

DATE: 27-06-2019

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SREYAS INSTITUTE OF ENGG. & TECH D.No. 9-39, Beside Indu Aranya, Bandlaguda, Tattiannaram, Hyderabad-68

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KUKATPALLY - HYDERABAD - 500085

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

B.TEC I YEAR II SEMESTER - R18 REGULATIONS REGULAR EXAMINATIONS MAY-2019

T I M E T A B L E

T I M E : FN: 10:00 AM TO 01:00 PM

BRANCH		DATE, SESSION AND DAY		
BRANCH	14-05-2019 TUESDAY	16-05-2019 THURSDAY	18-05-2019 SATURDAY	21-05-2019 TUESDAY
CIVIL ENGINEERING (01- C E)	Mathematics-II	Chemistry	Engineering Mechanics	English
MECHANICAL ENGINEERING (03-ME)	Mathematics-II	Chemistry	Engineering Mechanics	English
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Mathematics-II	Chemistry	Basic Electrical Engineering	English
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Mathematics-II	Applied Physics	Programming for Problem Solving	on upa

DATE: 18-03-2019

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ATION BRANCH B.TECH I YEAR II SEMESTER - R18 REGULATIONS REGULAR EXAMINATIONS MAY-2019 TIMETABL E

SUBJECT NAME	21-05-2019 TUESDAY: 10:.00 AM TO 1:00 PM	21-05-2019 TUESDAY: 2:.00 PM TO 5:00 PM
ENGINEERING GRAPHICS	ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)	COMPUTER SCIENCE
	INFORMATION TECHNOLOGY (12- IT)	& ENGINEERING (05- CSE)

DATE: 18-03-2019

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NOTE: 1) 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.

D.No. 9-39, Beside Indu Aranya,

aguda, Tattiannaram, Hyderabad-68

KUKATPALLY - HYDERABAD - 5000 85

## EXAMINATION BRANCH I YEAR B.TECH- II SEMESTER R16 REGULATION-SUPPLEMENTARY EXAMINATIONS MAY-2019 T IMETABLE

TIME→ FN: 10:00 AM TO 01:00 PM

BRANCH	14-05-2019 DATE , SESSION AND DAY					
	TUESDAY	16-05-2019 THURSDAY	18-05-2019 SATURDAY	21-05-2019 TUESDAY	23-05-2019 THURSDAY	
CIVIL ENGINEERING (01-C E)	Engineering Chemistry	Applied Physics	Mathematics III	Professional Communication in English	Basic Electrical & Electronics Engineering	
MECHANICAL ENGINEERING (03- ME)	Engineering Chemistry	Applied Physics	Mathematics III	Professional Communication in English	Basic Electrical & Electronics Engineering	
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Engineering Physics II	Mathematics II	Mathematics III	Computer Programming in C		
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Engineering Physics II	Mathematics II	Mathematics III		PRINCIP ASWE SREYAS IMSTITUTE OF ENGG. & TE D.No. 9-39, Beslue Indu Aranya, Bandlaguda, Tattiannaram, Hyderabad- Notice Spard Copy	

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KUKATPALLY - HYDERABAD - 500085 EXAMINATION BRANCH

## I YEAR B.TECH-II-SEMSTER R16 REGULATION -SUPPLEMENTARY EXAMINATIONS MAY-2019

SUBJECT NAME	23-05-2019 THURSDAY FN 10:00 AM TO 1:00 PM	23-05-2019 THURSDAY AN 2:00 PM TO 5:00 PM
	ELECTRICAL AND ELECTRONICS ENGINEERING ( EEE-02)	COMPUTER SCIENCE & ENGINEERING ( CSE-05)
ENGINEERING GRAPHICS	ELECTRONICS AND INSTRUMENTATION ENGINEERING (EIE-10)	INFORMATION TECHNOLOGY (IT-12)
	ELECTRONICS & COMMUNICATIONS ENGINEERING (ECE-04)	ELECTRONICS AND TELEMATICS ENGINEERING (ETM-17)

DATE: 18-03-2019

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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.

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KUKATPALLY - HYDERABAD - 500085 EXAMINATION BRANCH

## B.TECH I YEAR II SEMESTER - R18 REGULATIONS EXAMINATIONS MAY -2019

TIME TABLE FOR R16 TO R18 READMITTED STUDENTS OF B.TECH I-II

TIME: 10:00 AM TO 1:00 PM

	00 00 000		
BRANCH	08-05-2019 WEDNESDAY	09-05-2019 THURSDAY	11-05-2019 SATURDAY
ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)	Chemistry	Basic Electrical Engineering	
ELECTRONICS & COMMUNICATIONS ENGINEERING (04-ECE)	Programming for Problem Solving	Applied Physics	Engineering graphics
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Chemistry	Basic Electrical Engineering	
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Programming for Problem Solving	Applied Physics	Engineering graphics
INFORMATION TECHNOLOGY (12- IT)	Chemistry	Basic Electrical Engineering	

DATE:18-03-2019

Sd/-CONTROLLER OF EXAMINATIONS

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

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KUKATPALLY-HYDERABAD-500085EXAMINATION BRANCH

# II YEAR B.TECH-II SEMESTER-R16 REGULATION-REGULAR/SUPPLEMENTARY EXAMINATIONS MAY-2019

#### TIMETABLE

TIME→ FN: 10:00 AM TO 1:00 PM

BRANCH			DATE, SESSION AND	DDAY		
BRANCH	07-05-2019 TUESDAY	20 03 2013		15-05-2019	17-05-2019	20-05-2019
CIVIL	Business Economic		MONDAY	WEDNESDAY	FRIDAY	MONDAY
ENGINEERING (01-C E)	and Financial Analysis	Engineering Geology	Strength of Materials - II	Structural Analysis	Fluid Mechanics - II	
MECHANICA	Business Economic	Fluid Mechanics				
MECHANICAL ENGINEERING (03-ME)	and Financial Analysis	And Hydraulic	Dynamics Of Machinery	77-60	Manufacturing Process	Machine Drawing
ELECTRONICS & OMMUNICATION S ENGINEERING (04- ECE)	Business Economic and Financial Analysis		Control Systems	Analog Communications	Pulse and Digital Circuits	Switching Theory & Logic Design
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Business Economic and Financial Analysis	Computer Organization	Database Management Systems	Operating Systems	Formal Languages and Automata Theory	

1) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

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DATE: 28-03-2019

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KUKATPALLY-HYDERABAD-500085 E X A M I N A T I O N B R A N C H

II YEAR B.TECH.-II SEMESTER -R16,R15,R13,R09 REGULATION- REGULAR /SUPPLEMENTARY EXAMINATIONS MAY-2019
TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS
T I M E T A B L E

	08-05-2019
Branch	WEDNESDAY AN: 2.00 PM TO 5:00 PM
CIVIL ENGINEERING~01	BUILDING MATERIAL CONSTRUCTION AND PLANNING ~( (R16)
ELECTRICAL AND ELECTRONICS ENGINEERING~02	DATABASE MANAGEMENT SYSTEMS~(R09)
MECHANICAL ENGINEERING~03	KINEMATICS OF MACHINERY~ (R16)
ELECTRONICS AND COMMUNICATION	SWITCHING THEORY AND LOGIC DESIGN~(R13)
ENGINEERING~04	SWITCHING THEORY AND LOGIC DESIGN~(R15)
	ANALOG ELECTRONICS~( (R16)
INFORMATION TECHNOLOGY~12	PROBABILITY & STATISTICS~(R13)
MECHANICAL ENGINEERING (MECHATRONICS ) (14- MECT)	· MATHEMATICS – IV~( (R16)

DATE: 28-03-2019

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KUKATPALLY - HYDERABAD - 500 085 EXAMINATION BRANCH

## II YEAR B.TECH - II SEMESTER-R15 REGULATION-SUPPLEMENTARY EXAMINATIONS MAY-2019 TIME TABLE

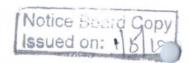
TIME→ FN: 10:.00 AM TO 01:00 PM

BRANCH	07.05.2010		DATE &	DAY	11	
DAMICI	07-05-2019 TUESDAY	10-05-2019 FRIDAY			17-05-2019	20-05-2019
				WEDNESDAY	FRIDAY	MONDAY
CIVIL ENGINEERING (01-C E)	ENVIRONMENTAL STUDIES	PROBABILITY AND STATISTICS	BUILDING MATERIALS, CONSTRUCTION & PLANNING	STRUCTURAL ANALYSIS-I	STRENGTH OF MATERIALS-II	HYDRAULICS & HYDRAULIC
MECHANICAL ENGINEERING (03-M E)	MECHANICS OF FLUIDS AND HYDRAULIC MACHINES	THERMAL ENGINEERING-I	KINEMATICS OF MACHINERY	MACHINE DRAWING	PRODUCTION TECHNOLOGY	MACHINERY  MATHEMATICS-II
ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E)	ENVIRONMENTAL STUDIES	PRINCIPLES OF ELECTRICAL ENGINEERING	ELECTROMAGNETIC THEORY AND TRANSMISSION LINES	DIGITAL DESIGN USING VERILOG HDL	ELECTRONIC CIRCUIT ANALYSIS	PULSE AND DIGITAL CIRCUITS
COMPUTER SCIENCE AND ENGINEERING (05-C S E)	ENVIRONMENTAL STUDIES	DESIGN AND ANALYSIS OF ALGORITHMS	COMPUTER ORGANIZATION	JAVA PROGRAMMING		

#### Note:

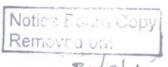
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DATE: 28-03-2019



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KUKATPALLY - HYDERABAD - 500085 EXAMINATION BRANCH

## III YEAR B.TECH-II SEMESTER-R16 REGULATION-REGULAR/SUPPLEMENTARY EXAMINATIONS MAY-2019

#### TIMETABLE

TIME→ FN: AN: 2.00 PM TO 5.00 PM

		DATE, SESSION AND DAY								
BRANCH	06-05-2019 MONDAY	09-05-2019 THURSDAY	11-05-2019 SATURDAY	14-05-2019 TUESDAY	16-05-2019 THURSDAY	18-05-2019				
CIVIL ENGINEERING (01-C E)	Design of Steel Structures	Environmental Engineering	Soil Mechanics	Ground Water Development and Management		Fabrication Processes				
MECHANICAL ENGINEERING (03- ME)	Thermal Engineering –II	***	Heat Transfer	Design of Machine Members-II	Refrigeration and Air Conditioning	Environmental Impact Assessment				
ELECTRONICS & COMMUNICATION S ENGINEERING (04- ECE)	Antennas and Wave Propagation	Microprocessors and Microcontrollers	Digital Signal Processing	Digital Image Processing		Intellectual Property Right				
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Compiler Design	Web Technologies	Cryptography and Network Security	Design Patterns		Intellectual Property Rights				

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DATE: 18-04-2019

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KUKATPALLY-HYDERABAD-500085 EXAMINATIONBRANCH

III YEAR B.TECH.-II SEMESTER – R16, R13 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY--2019
TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS
TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS

BRANCH	08-05-2019 WEDNESDAY 10:00 AM TO 1:00 PM	09-05-2019
CIVIL ENGINEERING~01	Ground Improvement Techniques(R13)	THURSDAY 10:00 AM TO 1:00 PM
	Fundamentals of Management (R16)	Disaster Management(R13)
ELECTRICAL AND ELECTRONICS ENGINEERING (02 – EEE)	Electrical Measurements & Instrumentation	Distance Wallagement(R13)
	Analog and Digital I.C. Applications	****
	Computer Organization	, Marine 1920 100
	Database Management Systems	
	Disaster Management	
	Electrical Engineering Materials	
	Electronic Measurements and Instrumentation	
	Environmental Engineering	
	Fabrication Processes	
	Fundamentals of Engineering Materials	
	Intellectual Property Rights	
	Introduction to Mining Technology	
MECHANICAL ENGINEERING	Introduction to Space Technology	
(03 - IMIE)	Materials Characterization Techniques	
	Materials Science and Engineering	
	Nanotechnology	
- 1	Non destructive Testing Methods	
	Non-Conventional Power Generation	
	Operating Systems	
	Principles of Electronic Communications	
	Reliability Engineering	
Notice Spard Convil	Renewable Energy Sources	SREVAS B. SERVAS B. Removed as
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KUKATPALLY-HYDERABAD-500085 EXAMINATIONBRANCH

### III YEAR B.TECH.-II SEMESTER - R16, R13 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY--2019 TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS TIMETABLE

BRANCH	08-05-2019 WEDNESDAY 10:00 AM TO 1:00 PM	09-05-2019 THURSDAY 10:00 AM TO 1:00 PM
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)		Business Economics And Financial Analysis
COMPUTER SCIENCE & ENGINEERING (05 - CSE)		Scripting Languages (R16)
INFORMATION TECHNOLOGY (12 -IT)		Scripting Languages (R16)
MECHATRONICS (14 - MECT)		Mechanical Measurements and Control Systems

DATE: 28-03-2018

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KUKATPALLY-HYDERABAD-500085

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

III YEAR B.TECH-II SEMESTER -R15 REGULATION-SUPPLEMENTARY EXAMINATIONS MAY- 2019

T I M E T A B L E

TIME: AN: 2:00 AM TO 5:00 PM

COURSE	06-05-2019 MONDAY	09-05-2019 THURSDAY	11-05-2019 SATURDAY	14-05-2019 TUESDAY	16-05-2019 THURSDAY	18-05-2019
CIVIL ENGINEERING (01- CE)	TRANSPORTATION ENGINEERING-I	STRUCTURAL ANALYSIS-II	STEEL STRUCTURES DESIGN AND DRAWING	FOUNDATION ENGINEERING	ENVIRONMENTAL ENGINEERING	GROUND IMPROVEMENT TECHNIQUES GROUND WATER HYDROLOGY
El Portovo -	ENVIRONMENTAL STUDIES	COMPUTER	ELECTRICAL AND	STATIC DRIVES	Marion	PRINCIPLES OF ENTREPRENEURSH  ELEMENTS OF EARTHQUAKE ENGINEERING ENVIRONMENTAL IMPACT ASSESSMENT
ELECTRICAL AND ELECTRONICS ENGINEERING (02 - EEE)	STODIES	METHODS IN POWER SYSTEMS	ELECTRONICS INSTRUMENTATION	THE DILYES	MICROPROCESSORS AND INTERFACING DEVICES	HUMAN VALUES AND PROFESSIONAL ETHICS INTELLECTUAL PROPERTY RIGHTS
		-			¥	DISASTER MANAGEMENT

DATE:28-03-2019.

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KUKATPALLY-HYDERABAD-500085

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

III YEAR B.TECH-II SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY- 2019

T I M E T A B L E

T I M E : AN: 2:00 AM TO 5:00 PM

BRANCH	06-05-2019			DATE & DAY		
BRANCH	MONDAY	09-05-2019 THURSDAY	11-05-2019 SATURDAY	14-05-2019 TUESDAY	16-05-2019 THURSDAY	18-05-2019 SATURDAY
MECHANICAL DESIGN OF MACHINE	DESIGN OF MACHINE	FINITE ELEMENT METHODS	HEAT TRANSFER	REFRIGERATION AND AIR CONDITIONING	AUTOMOBILE	HUMAN VALUES AND PROFESSIONA ETHICS
(03 - ME)	MEMBERS-II				ENGINEERING	INTELLECTUAL PROPERTY RIGHTS
						DISASTER MANAGEMENT
ELECTRONICS &	MANAGERIAL ECONOMICS AND	DIGITAL COMMUNICATIONS	DIGITAL SIGNAL PROCESSING	L MICROPROCESSORS	VLSI DESIGN	HUMAN VALUES AND PROFESSIONAL ETHICS
COMMUNICATIO NS	FINANCIAL ANALYSIS			AND MICROCONTROLLERS	1	INTELLECTUAL PROPERTY RIGHTS
ENGINEERING (04 - ECE)			a a			DISASTER MANAGEMENT
COMPUTER SCIENCE & ENGINEERING	MANAGERIAL ECONOMICS AND FINANCIAL	WEB TECHNOLOGIES	SOFTWARE TESTING	INFORMATION SECURITY	OBJECT ORIENTED ANALYSIS AND	DISTRIBUTED SYSTEMS
(05 - CSE)	ANALYSIS		METHODOLOGIES		DESIGN	INTRODUCATION TO ANALYTICS
						INFORMATION SECURITY MANAGEMENT

DATE: 28-03-2019.

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H IV YEAR B.TECH - II SEMESTER - R15 REGULATION - REGULAR EXAMINATIONS MAY-2019 T I M E T A B L E

TIME→ AN: 2.00 PM TO 5.00 PM

BRANCH	07-05-2019 TUESDAY	10-05-2019 FRIDAY	13-05-2019 MONDAY	15-05 -2019 WEDNESDAY	17-05-2019 FRIDAY	
CDIIX	Construction		Design and Drawing of Irrigation Structures		THINK	
CIVIL ENGINEERING (01-CE)	Management (Common to CE, CEE)	Rehabilitation and	Geo Environmental Engineering	Prestressed Concrete		
(Common to CE, CEE)	(common to CE, CEE)	Retrofitting of Structures	Solid Waste Management	Structures		
		Artificial Neural Networks (Common to ME,MECT,MSNT)	Computational fluid dynamics (Common to ME,MSNT)	120		
MECHANICAL ENGINEERING (03-ME)	Production Planning and Control (Common to ME, MECT)	Maintenance and Safety Engineering (Common to ME, AME, MSNT)			Plant layout and Material Handling (Common to ME,AME)	
		Total Quality	Jet Propulsion & Rocket Engineering			
		Management	Renewable Energy Sources (Common to ME, AME, MSNT)			
ELECTRONICS	Network Security (Common to ECE, ETM)	Artificial Neural Networks	Digital signal processors and architectures			
AND COMMUNICATION ENGINEERING	AND Radar Systems Biomedical		RF Circuit Design (Common to ECE, ETM)	Wireless communications		
(04-ECE) Telecommunication Switching Systems and Networks		Satellite Communications (Common to ECE, ETM)	PRIM	and networks (Common to ECE,		

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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H IV YEAR B.TECH - II SEMESTER - R15 REGULATION - REGULAR EXAMINATIONS MAY-2019

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BRANCH	07-05-2019 TUESDAY	10-05-2019 FRIDAY	13-05-2019 MONDAY	15-05 -2019 WEDNESDAY	17-05-2019 FRIDAY
		Information Security Incident Response & Management (Security Analyst 3) (Common to CSE, IT)	Database Security		
COMPUTER SCIENCE AND ENGINEERING (05-CSE)	Management Science (Common to CSE, IT)	Predictive Analytics (Associate Analytics 3) (Common to CSE, IT)	Embedded Systems Networks	Ad hoc and Sensor Networks (Common to CSE,	Multimedia & Rich Internet Applications- (Common to CSE, IT)
		Scripting Languages	Storage Area Networks	IT)	
		Semantic Web and Social Networks	(Common to CSE, IT)		
		Web Services			

DATE: 28-03-2019

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

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KUKATPALLY-HYDERABAD-500085 EXAMINATIONBRANCH

IV YEAR B.TECH.-II SEMESTER-R13,R09,REGULATION- REGULAR/SUPPLEMENTARY EXAMINATIONS MAY-2019
TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS

TIMETABLE

Branch	06-05-2019 MONDAY FN 10.00 AM TO 1:00 PM	11-05-2019
	NEURAL NETWORKS AND FUZZY LOGIC-(R13)	SATURDAY FN 10.00 AM TO 1:00 PM UTILIZATION AND ELECTRICAL ENERGY~(R09)
ELECTRICAL AND ELECTRONICS ENGINEERING~02	COMPUTER METHODS IN POWER SYSTEMS~(R09)	POWER SYSTEM OPERATION AND CONTROL~(R09

DATE: 28-03-2019

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### B.TECH I YEAR I SEMESTER - R18 REGULATIONS SUPPLEMENTARY EXAMINATIONS MAY/JUNE -2019 TIMETABLE

T I M E: FN 10:00 AM TO 1:00 PM

BRANCH		DATE, SESSION AND DA	Y	
BRANCII	25-05-2019 SATURDAY	01-06-2019 SATURDAY.	04-06-2019 TUESDAY	08-06-2019 SATURDAY
CIVIL ENGINEERING (01-C E)	Mathematics-I	Programming for Problem Solving	Engineering Physics	
MECHANICAL ENGINEERING (03-ME)	Mathematics-I	Programming for Problem Solving	Engineering Physics	
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Mathematics-I	Programming for Problem Solving	Applied Physics	
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Mathematics-I	Chemistry	Basic Electrical Engineering	English
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## B.TECH I YEAR I SEMESTER - R18 REGULATIONS SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIMETABLE

SUBJECT NAME	08-06-2019 FN SATURDAY 10.00 AM TO 1.00 PM	11-06-2019 FN TUESDAY: 10.00 AM TO 1.00 PM	
Thomas	CIVIL ENGINEERING -01 (CE)		
ENGINEERING GRAPHICS	MECHANICAL ENGINEERIN-03 (ME)		
	ELECTRONICS AND INSTRUMENTATION ENGINEERING -10 (EIE)		
	MECHANICAL ENGINEERING-14 (MECHATRONICS) (MECT)	ELECTRONICS & COMMUNICATIONS	
	METALLURGICAL AND MATERIALENGINEERING -18 (MME)	ENGINEERING -04 (ECE)	
	AERONAUTICAL ENGINEERING-21 (AE)		
	MINING ENGINEERING -25 (MIE)		
v	PETROLEUM-27 (PTM)	Aluna	

DATE: 18-03-2019

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KUKATPALLY - HYDERABAD - 500 085 EXAMINATION BRANCH

### I YEAR B.TECH-I SEMESTER-R16 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 T IMETABLE

TIME→ FN:10.00 AM TO 1.00 PM

BRANCH			DATE, SESSION AN	D DAY		
DRANCH	25-05-2019 SATURDAY	01-06-2019 SATURDAY	04-06-2019 TUESDAY	08-06-2019 SATURDAY	11-06-2019 TUESDAY	13-06-2019 THURSDAY
CIVIL ENGINEERING (01-C E)	Mathematics-I	Mathematics-II	Engineering Physics	Computer Programming in C	Engineering Mechanics	
MECHANICAL ENGINEERING (03- ME)	Mathematics-I	Mathematics-II	Engineering Physics	Computer Programming in C	Engineering Mechanics	
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Mathematics-I	Engineering Physics-I	Engineering Chemistry	Professional Communication in English	Engineering Mechanics	Basic Electrical and Electronics Engineerin
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Mathematics-I	Engineering Physics-I	Engineering Chemistry	Professional Communication in English	Engineering Mechanics	Basic Electrical and Electronics Engineerin

DATE:18-03-2019

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#### EXAMINATION BRANCH I YEAR B.TECH -I SEMSTER- R16 REGULATION -SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIMETABLE

SUBJECT NAME	13-06-2019 FN THURSDAY: 10.00 AM TO 1.00 PM	14-06-2019 FN FRIDAY: 10.00 AM TO 1.00 PM
	CIVIL ENGINEERING -01 (CE)	MECHANICAL ENGINEERING-03 (ME)
ENGINEERING	AERONAUTICAL ENGINEERING-21 (AE)	MECHANICAL ENGINEERING-14 (MECHATRONICS) (MECT)
GRAPHICS	MINING ENGINEERING -25 (MIE)	METALLURGICAL AND MATERIALENGINEERING -18 (MME)
	PETROLEUM-27 (PTM)	
	CIVIL & ENVIRONMENTA L ENGINEERING -28 (C E E)	MATERIAL SCIENCE AND NANO TECHNOLOGY-29 (MSNT)

DATE:18-03-2019

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#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD - 500 085 EXAMINATION BRANCH I YEAR B.TECH-R15 REGULATION-SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 T IMETABLE

TIME :FN: 10:00 AM TO 01:00 PM

COURSE	25-05-2019 SATURDAY	01-06-2019 SATURDAY	04-06-2019 TUESDAY	08-06-2019 SATURDAY	11-06-2019 TUESDAY	13-06-2019 THURSDAY
CIVIL ENGINEERING (01-C E)	ENGINEERING MECHANICS	ENGINEERING PHYSICS	ENGINEERING CHEMISTRY	COMPUTER PROGRAMMING	ENGLISH	MATHEMATICS-I
MECHANICAL ENGINEERING (03 - ME)	ENGINEERING MECHANICS	ENGINEERING PHYSICS	ENGINEERING CHEMISTRY	COMPUTER PROGRAMMING	ENGLISH	MATHEMATICS-I
ELECTRONICS & COMMUNICATIO NS ENGINEERING (04 – ECE)	MATHEMATICAL METHODS	ENGINEERING PHYSICS	ENGINEERING CHEMISTRY	COMPUTER PROGRAMMING	ENGLISH	MATHEMATICS-I
COMPUTER SCIENCE & ENGINEERING (05 – CSE)	MATHEMATICAL METHODS	ENGINEERING PHYSICS	ENGINEERING CHEMISTRY	COMPUTER PROGRAMMING	ENGLISH	MATHEMATICS-I

DATE:18-03-2019

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KUKATPALLY-HYDERABAD-500085 E X A M I N A T I O N B R A N C H

## FIRST YEAR B.TECH-R15 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

#### TIMETABLE

SubjectName	15-06-2019 FN SATURDAY 10:00 AM TO1:00 PM	15-06-2019 AN SATURDAY 2.00 PM TO 5:00 PM	
	CIVIL ENGINEERING-01	MECHANICAL ENGINEERING-03	
	ELECTRICAL AND ELECTRONICS ENGINEERING-02	ELECTRONICS AND COMMUNICATION ENGINEERING-0-	
	COMPUTER SCIENCE AND ENGINEERING-05	ELECTRONICS AND INSTRUMENTATION ENGINEERING-1	
	CHEMICAL ENGINEERING-08		
	BIO-MEDICAL ENGINEERING~11	INFORMATION TECHNOLOGY-12	
		MECHANICAL ENGINEERING MECHATRONICS-14	
	AERONAUTICAL ENGINEERING~21	ELECTRONICS AND TELEMATICS ENGINEERING~17	
EngineeringDrawing	BIO-TECHNO LOGY~23	METALLURGICAL AND MATERIALS ENGINEERING-18 ELECTRONICS AND COMPUTER ENGINEERING-19 MECHANICAL ENGINEERING -PRODUCTION-20	
	MINING ENGINEERING~25		
	MINING MACHINERY~26		
	PETROLEUM-27		
	CIVIL AND ENVIRONMENTAL ENGINEERING-28	INSTRUMENTATION AND CONTROL ENGINEERING~22	
		AUTOMOBILE ENGINEERING~24	
	AGRICULTURE ENGINEERING~30	MATERIAL SCIENCE AND NANO TECHNOLOGY-29	
	COMPUTER SCIENCE AND TECHNOLOGY~31	SCIENCE AND NANO TECHNOLOGY~29	

DATE:18-03-2019

NOTE:

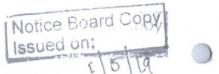
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### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

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

II YEAR B.TECH - I SEMESTER - R16 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

TI M E T A B L E

TIME > 10.00 AM TO 1.00 PM

RRANCH		DATE, SESSION AND DAY							
	22-05-2019 WEDNESDAY	24-05-2019 FRIDAY	27-05-2019 MONDAY	03-06-2019 MONDAY	07-06-2019 FRIDAY	10-06-2019 MONDAY			
CIVIL ENGINEERING (01-C E)	MATHEMATICS - IV	STRENGTH OF MATERIALS - I	FLUID MECHANICS - I	SURVEYING	BUILDING MATERIAL, CONSTRUCTION AND PLANNING	MONDAY			
MECHANICAL ENGINEERING (03- ME)	MATHEMATICS – IV	THERMODYNAMICS	MECHANICS OF SOLIDS		KINEMATICS OF MACHINERY	METALLURGY AND MATERIAL SCIENCE			
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	MATHEMATICS – IV	ANALOG ELECTRONICS	NETWORK ANALYSIS	SIGNALS AND STOCHASTIC PROCESS	ELECTRICAL TECHNOLOGY				
COMPUTER SCIENCE & ENGINEERING (05- CSE)	MATHEMATICS – IV	DATA STRUCTURES THROUGH C++	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	DIGITAL LOGIC DESIGN	OBJECT ORIENTED PROGRAMMING THROUGH JAVA				

DATE: 28-03-2019

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## JAWAHARLAL NEION TECHNOLOGICAL UNINTRITY HYDERABAD

KUKATPALLY-HYDERABAD-5000 85 EXAMINATION BRANCH

II YEAR B.TECH. - I SEMESTER -R09 REGULATIONS-SUPPLEMENTARY EXAMINATIONS MAY-2019
TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS
T I M E T A B L E

Branch	28-05-2019	
ELECTRONICS	TUESDAY 2.00 PM -5:00 PM	29-05-2019 WEDNESDAY 2.00 PM -5:00 PM
AND COMMUNICATION ENGINEERING-04	DATASTRUCTURES THROUGH C++~(R09)	OBJECT ORIENTED PROGRAMMING~(R09

DATE: 28-03-2019

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SREYAS INSTITUTE OF ENGG. & TECH

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KUKATPALLY - HYDERABAD - 500 085 EXAMINATIONBRANCH

## II YEAR B.TECH - I SEMESTER - R15 REGULATION - SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIMETABLE

DDANGW			DAT	E, TIME & DAY		0 AM TO 1:00 PM
BRANCH	22-05-2019 WEDNESDAY	24-05-2019 FRIDAY	27-05-2019 MONDAY	03-06-2019 MONDAY	07-06-2019 FRIDAY	10-06-2019 MONDAY
CIVIL ENGINEERING (01-C E)	MATHEMATICS - II	ELECTRONICS ENGINEERING	STRENGTH OF MATERIALS – I FLUID MECHANICS		SURVEYING	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS
ELECTRICAL AND ELECTRONICS ENGINEERING (02-E E E)	FLUID MECHANICS AND HYDRAULIC MACHINERY	ELECTRONIC DEVICES & CIRCUITS	ELECTRICAL CIRCUITS	ELECTRO MAGNETIC FIELDS	ELECTRICAL MACHINES - I	MATHEMATICS – III
MECHANICAL ENGINEERING (03-M E)	PROBABILITY & STATISTICS	ELECTRICAL AND ELECTRONICS ENGINEERING	MECHANICS OF SOLIDS ,	ENVIRONMENTAL STUDIES	THERMODYNAMICS	MATALLURGY AND MATERIALS SCIENCE
ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E)	SIGNALS & SYSTEMS	ELECTRONIC DEVICES & CIRCUITS	ELECTRICAL CIRCUITS	SWITCHING THEORY AND LOGIC DESIGN	PRÓBABILITY THEORY & STOCHASTIC PROCESSES	MATHEMATICS – III
COMPUTER SCIENCE AND ENGINEERING (05-C S E)	PROBABILITY & STATISTICS	ELECTRONIC DEVICES & CIRCUITS	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	DIGITAL LOGIC DESIGN	DATA STRUCTURES	BASIC ELECTRICAL ENGINEERING
CHEMICAL ENGINEERING (08-C H E M)	MATHEMATICS - II	ELECTRICAL ENGINEERING	MATERIAL SCIENCE FOR CHEMICAL ENGINEERS	ENVIRONMENTAL STUDIES	ANALYTICAL CHEMISTRY DIN	CHEMICAL PROCESS CALCULATIONS TABLEMENT AT THE PROCESS CALCULATIONS TO THE PROCESS CAL
ELECTRONICS AND NSTRUMENTATION ENGINEERING (10-E I E)	SIGNALS & SYSTEMS  Notice Board Colored Colore	1 3 3 1	FUNDAMENTALS OF ELECTRICAL ENGINEERING	SWITCHING THEORY AND LOGIC DESIGN	TRANSDUCTION OF PHYSICAL VARIABLES	Notille Land

KUKATPALLY - HYDERABAD - 5000 85 EXAMINATION BRANCH

## B.TECH III YEAR I SEMESTER R16 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

TIME→ AN: 2.00 PM TO 5.00 PM

BRANCH	25-05-2019 SATURDAY	01-06-2019 SATURDAY	04-06-2019 TUESDAY	08-06-2019 SATURDAY	TIME→ AN: 2.00 P	13-06-2019
CIVIL ENGINEERING (01-CE)	Concrete	Fundamentals of Management	Design Reinforced Concrete Structures		Analog and Digital I.C. Applications Computer Graphics Computer Organization Database Management Systems Electrical Engineering Materials Electronic Measurements and Instrumentation Environmental Engineering Fabrication Processes Fundamentals of Engineering Materials Fundamentals of Mechanical Engineering Intellectual Property Rights Introduction to Mechatronics Introduction to Mining Technology Introduction to Space Technology Materials Characterization Techniques Materials Science and Engineering Nanotechnology Non destructive Testing Methods Non-Conventional Power Generation Operating Systems Optimization Technique Principles of Electronic Communications Reliability Engineering Renewable Energy Sources Scripting Languages	THURSDAY

Date:28-03-2019

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### B.TECH III YEAR I SEMESTER R16 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

TIME→ AN: 2.00 PM TO 5.00 PM

BRANCH	25-05-2019 SATURDAY	01-06-2019 SATURDAY	04-06-2019 TUESDAY	08-06-2019 SATURDAY	11-06-2019 TUESDAY	13-06-2019 THURSDAY	
					Analog and Digital I.C. Applications	THURSDAY	
		1			Computer Organization		
					Database Management Systems		
					Disaster Management		
				Electrical Engineering Materials			
				Electronic Measurements and Instrumentation			
					Environmental Engineering		
					Fabrication Processes		
	Fundamentals of			Fundamentals of Engineering Materials			
ENGINEERING	Engineering-I	Management	Metrology and Machine Tools	Design of Machine Members -I	Intellectual Property Rights	****	
(03-ME)					Introduction to Mining Technology		
					Introduction to Space Technology		
					Materials Characterization Techniques		
					Materials Science and Engineering		
					Nanotechnology		
					Non destructive Testing Methods		
				Non-Conventional Power Generation			
	1			Operating Systems			
				Principles of Electronic			
				Communications			
					Reliability Engineering		
					Renewable Energy Sources		
					Scripting Languages		

Date: 28-03-2019

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## B.TECH III YEAR I SEMESTER R16 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

TIME→ AN: 2.00 PM TO 5.00 PM

BRANCH	25-05-2019 SATURDAY	01-06-2019 SATURDAY	04-06-2019 TUESDAY	08-06-2019 SATURDAY	11-06-2019 TUESDAY	13-06-2019
ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)	Digital Communications	Fundamentals of Management	Electromagnetic Theory and Transmission Lines		Analog and Digital I.C. Applications Computer Graphics Computer Organization Database Management Systems Disaster Management Electrical Engineering Materials Electronic Measurements and Instrumentation Environmental Engineering Fabrication Processes Fundamentals of Engineering Materials Fundamentals of Mechanical Engineering Intellectual Property Rights Introduction to Mechatronics Introduction to Mining Technology Introduction to Space Technology Materials Characterization Techniques Materials Science and Engineering Nanotechnology Non destructive Testing Methods Non-Conventional Power Generation Operating Systems Optimization Techniques Reliability Engineering Renewable Energy Sources Scripting Languages	Linear and Digita IC Applications

Date:28-03-2019

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### B.TECH III YEAR I SEMESTER R16 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

TIME→ AN: 2.00 PM TO 5.00 PM

BRANCH	25-05-2019	01-06-2019	04-06-2019	08-06-2019	11-06-2019	13-06-2019
	SATURDAY	SATURDAY	TUESDAY	SATURDAY	TUESDAY	THURSDAY
COMPUTER CCIENCE AND NGINEERING (05-CSE)	Design and Analysis of Algorithms	Fundamentals of Management	Software Engineering	Data Communication and Computer Networks	Analog and Digital I.C. Applications Computer Graphics Computer Organization Disaster Management Electrical Engineering Materials Electronic Measurements and Instrumentation Environmental Engineering Fabrication Processes Fundamentals of Engineering Materials Fundamentals of Mechanical Engineering Intellectual Property Rights Introduction to Mechatronics Introduction to Mining Technology Introduction to Space Technology Materials Characterization Techniques Materials Science and Engineering Nanotechnology Non destructive Testing Methods Non-Conventional Power Generation Optimization Techniques Principles of Electronic Communications Reliability Engineering Renewable Energy Sources	THURSDAY

Date:28-03-2019

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KUKATPALLY-HYDERABAD-500085 **EXAMINATION BRANCH** 

III YEAR B.TECH.-I SEMESTER -R16, R15, R13, R09 REGULATIONS- SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS TIMETABLE

Branch	28-05-2019 TUESDAY 2.00 PM -5:00 PM	29-05-2019
ELECTRICAL AND ELECTRONICS ENGINEERING-02	ELECTRONIC CIRCUITS~(R09)	WEDNESDAY 10.00 AM -1:00 PM
MECHANICAL ENGINEERING-03	DYNAMICS OF MACHINERY (R16)	,
ELECTRONICS AND COMMUNICATION ENGINEERING~04	ANALOG COMMUNICATIONS (R16)	
	OPERATING SYSTEMS (R16)	· · · · · · · · · · · · · · · · · · ·
COMPUTER SCIENCE AND ENGINEERING-05	DESIGN AND ANALYSIS OF ALGORITHMS~(R09)	FORMAL LANGUAGES & AUTOMATA THEORY~(R09)
INFORMATION TECHNOLOGY~12	OPERATING SYSTEMS (R16)	
	DESIGN AND ANALYSIS OF ALGORITHMS~(R09)	

DATE: 28-03-2019

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

III YEAR B.TECH-I SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

T I M E T A B L E

TIME→2.00 PM TO 5.00 PM

			DATE & DAY			
BRANCH	25-05-2019 SATURDAY	01-06-2019 SATURDAY	04-06-2019 TUESDAY	08-06-2019 SATURDAY	11-06-2019 TUESDAY	13-06-2019 THURSDAY
CIVIL					REINFORCED	DISASTER MANAGEMEN HUMAN VALUES AND
ENGINEERING (01-C E)	ENGINEERING GEOLOGY	CONCRETE	WATER RESOURCES ENGINEERING-I	GEOTECHNICAL ENGINEERING	CONCRETE STRUCTURES DESIGN AND DRAWING	PROFESSIONAL  INTELLECTUAL PROPERTY RIGHTS
MECHANICAL ENGINEERING (03-M E)	DESIGN OF MACHINE MEMBERS-I	DYNAMICS OF MACHINERY	MACHINE TOOLS	ENGINEERING METROLOGY	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS	THERMAL ENGINEERING-II
ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E)	COMPUTER ORGANIZATION AND OPERATING SYSTEMS	ANTENNAS AND WAVE PROPAGATION	ANALOG COMMUNICATIONS	CONTROL SYSTEMS ENGINEERING	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION	LINEAR AND DIGITAL IC APPLICATIONS
	compiler design Notice Board Cop ssued on: 1/8/	COMPUTER NETWORKS	SOFTWARE ENGINEERING	OPERATING SYSTEMS 0, 9-39,	PRINCIPLES OF PROGRAMMING AND REMOVED ON: 30	HUMAN VALUES AND PROFESSIONAL ETHICS

KUKATPALLY-HYDERABAD-5000 85 EXAMINATIONBRANCH

#### III YEAR B.TECH-I SEMESTER -R13 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIMETABLE

TIME: AN 2:00 PM TO 5:00 PM

					TIME: AN 2:00 P	PM TO 5:00 PM
COURSE	25-05-2019 SATURDAY	01-06-2019 SATURDAY	04-06-2019 TUESDAY	08-06-2019 SATURDAY	11-06-2019 TUESDAY	13-06-2019 THURSDAY
CIVIL	ENGINEERING GEOLOGY	CONCERNO				
ENGINEERING-01	J. J	CONCRETE TECHNOLOGY	THE PROPERTY OF THE PARTY OF TH	GEOTECHNICAL ENGINEERING	REINFORCED CONCRETE	ELECTIVE-1 INTELLECTUAL PROPERT
			ENGINEERING-I		STRUCTURES DESIGN AND	RIGHTS
					DRAWING	DISASTER MANAGEMEN
ELECTRICAL	CONTROL CHICAGO					HUMAN VALUES AND
AND ELECTRONICS ENGINEERING-02	CONTROL SYSTEMS	ELECTRICAL MACHINES-III	IC APPLICATIONS	MANAGEMENT SCIENCE	POWER ELECTRONICS	PROFESSIONAL ETHICS
MECHANICAL	DESIGN OF MACHINE MEMBERS-	I DEDUCTION				POWER SYSTEMS-II
ENGINEERING-03	MEMBERS-	DYNAMICS OF MACHINERY	MACHINE TOOLS	ENGINEERING METROLOGY	24.30	
ELECTRONICS				The state of the s	MANAGERIAL ECONOMICS AND	THERMAL ENGINEERING-I
AND	COMPUTER ORGANIZATION AND	ANTENNACANIN			FINANCIAL ANALYSIS	
COMMUNICATION ENGINEERING~04	OPERATING SYSTEMS	ANTENNAS AND WAVE PROPAGATION	ANALOG COMMUNICATIONS	CONTROL SYSTEMS ENGINEERING	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION	LINEAR AND DIGITAL IC
COMPUTER SCIENCE AND	COMPILER DESIGN	COMPUTER NETWORKS	OMPUTER NETWORKS SOFTWARE EENGINEERING		-	ELECTIVE-I
ENGINEERING-05		The state of the s		OPERATING SYSTEMS	PRINCIPLES OF PROGRAMMING	DISASTER MANAGEMENT
					LANGUAGES	HUMAN VALUES AND PROFESSIONAL ETHICS
CHEMICAL	INORGANIC CHEMICAL	CHEMICAL ENGINEERING	CHEMICAL PRO			INTELLECTUAL PROPERTY
ENGINEERING-08	TECHNOLOGY	THERMODYNAMICS-II	CHEMICAL REACTION ENGINEERING-I	MASS TRANSFER OPERATIONS-I	PROCESS HEAT TRANSFER	RIGHTS
ELECTRONICS AND	ELECTRONIC INSTRUMENTATION		I-Orinaarini-i		AMINSPER	PROCESS INSTRUMENTATIO
NSTRUMENTATION ENGINEERING-10	THE INSTRUMENTATION	LINEAR IC APPLICATIONS	SIGNAL CONDITIONING CIRCUITS	PULSE AND DIGITAL CIRCUITS	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS	VIRTUAL INSTRUMENTATION
BIO-MEDICAL ENGINEERING~11	BIO MEDICAL EQUIPMENT-I	CLINICAL SCIENCES-II	DIGITAL SIGNAL	PRINCIPLES OF COMMUNICATIONS		
INFORMATION TECHNOLOGY~12	AUTOMATA AND COMPILER DESIGN	COMPUTER NETWORKS	PROCESSING	ONE COLUMN	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS	LINEAR AND DIGITAL IC APPLICATIONS
MECHANICAL	FIXIUM OF THE STATE OF THE STAT		EENGINEERING	OPERATING SYSTEMS	MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS	LINUX PROGRAMMING
ENGINEERING ECHATRONICS~14	ELEMENT TECHNIQUES	DYNAMICS OF MACHINERY	MACHINE TOOLS	BDTN/CYPY PG G	MOROOFILECH	SWITCHING THEORY AND

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#### KUKATPALLY - HYDERABAD - 5000 85 EXAMINATIONBRANCH

## IV YEAR B.TECH - I SEMESTER- R15 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIME TABLE

BRANCH	22-05-2019	24-05-2019	27 85 2010	1 02 04 00			T I M E: 2.00 PM T	O 5:00 PM
BRANCH	WEDNESDAY	FRIDAY	27-05-2019 MONDAY	03-06-2019 MONDAY	07-06-2019 FRIDAY	10-06-2019 MONDAY	12-06-2019 WEDNESDAY	14-06-2019 FRIDAY
					Advanced Foundation Engineering		Advanced Structural Design	
CIVIL Sensing & GIS (01-C E) (Comm. To CE, CEE)	Watershed Management (Comm. To	Estimating & Costing (Comm. To	Water Resources	Finite Element	Transportation Engineering -II	Earth and Rock fill Dams and Slope Stability	Air Pollution and Control (Comm. To CE, CEE)	
	,,	CE, CEE)	Engineering-II	Methods (Comm. To CE,	Engineering -II	Water Resources Systems Analysis		
				CEE)		Industrial Waste Water Treatment (Comm. To CE, CEE)	CELI	
		per s			Digital Control Systems	Optimization Techniques		
ELECTRICAL AND ELECTRONICS INGINEERING (02-E E E)	771	Digital Signal	, , , , , , , , , , , , , , , , , , , ,	(comm. To EEE, EIE)	Electrical Distribution Systems	Switch Gear and	VLSI Design	
		Energy Processing		Control	High Voltage Engineering	Electrical Estimation and	Protection	(Comm to EEE, EIE, BME)
			*		Data structures	Costing		

DATE: 28-03-2019

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#### KUKATPALLY - HYDERABAD - 5000 85 EXAMINATIONBRANCH

### IV YEAR B.TECH - I SEMESTER- R15 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIME TABLE

T I M E: 2.00 PM TO 5:00 PM

BRANCH	22-05-2019	24-05-2019	27-05-2019	20.011			TIME: 2.00 PM	10 3:00 PM
	WEDNESDAY	FRIDAY	MONDAY	03-06-2019 MONDAY	07-06-2019 FRIDAY	10-06-2019 MONDAY	12-06-2019 WEDNESDAY	14-06-2019
		9			Robotics (Comm. To ME, AME, MSNT)	Unconventional	WEDNESDAY	FRIDAY
MECHANICAL	OPERATIONS RESEARCH (Comm. To	Power Plant	CAD/CAM	Instrumentation	Mechanical Vibrations (Comm. TO ME, AME, MSNT)	CNC Technology (Comm. To ME, MSNT)		
(03-M E)	ENGINEERING ME, CSE, IT,	Engineering (Comm. To ME, MCT)	Comm. To ME, AE, AME, AME,	and Control Systems (Comm. To	Mechatronics (Comm. To ME, AME)	Automation in Manufacturing		
	,MSNT, ACE)	*	MSNT)	ME, AME)	Mechanics of Composite Materials (Comm. To ME, MSNT)	Design for Manufacturing		
					Industrial Management	Nanotechnology (Comm. To ME, CHEM, BME)		

DATE: 28-03-2019

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## IV YEAR B.TECH - I SEMESTER- R15 REGULATION SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019 TIME TABLE

TIME: 2.00 PM TO 5:00 PM

BRANCH	22-05-2019 WEDNESDAY	24-05-2019 FRIDAY	27-05-2019 MONDAY	03-06-2019 MONDAY	07-06-2019 FRIDAY	10-06-2019 MONDAY	12-06-2019 WEDNESDAY	14-06-2019 FRIDAY
		p.				Television Engineering		
ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E)	Management Science (Comm. To ECE, ETM, MMT)	Computer Networks (Comm. To ECE, EIE, BME)	Multimedia and Signal Coding (Comm. To ECE, ETM)	Object Oriented Programming through Java	Optical Communications (Comm. To ECE, ETM) Embedded Systems Design (Comm. To	Cellular and Mobile Communicatio	Digital Image Processing (Comm. To ECE, ETM)	
COMPLETE	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME,MIE, ,MSNT, ACE) Image processing and Pattern Recognition				Software Project Management (Comm. To CSE, IT)	ECE, ETM)  Machine Learning  Soft Computing	Information	
	(Comm. To CSE, IT)  Big data analytics(Associate analytics-II) (Comm. To CSE, IT)	Design Patterns (Comm. To CSE, IT)	Linux Programming	Cloud Computing	Mobile Computing	(Comm. To CSE, IT)  Artificial Intelligence	Retrieval Systems (Comm. To CSE, IT)	Data Warehousing and Data Mining
	Information Security assessments and audits(security analyst-2) (Comm. To CSE, IT)			CE	Computer Graphics (Comm. To CSE, IT)	Computer PAForensics FENGG & FECH	Not	otice Possific

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DATE: 28-03-2019 | Notice Board Copy

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KUKATPALLY-HYDERABAD-5000 85 EXAMINATION BRANCH

IV YEAR B.TECH-I SEMESTER -R13 REGULATIONS - SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019
TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS
TIME TABLE

Branch	28-05-2019 TUESDAY 10.00 AM TO 1:00 PM
CIVIL ENGINEERING-01	STRUCTURAL ANALASIS-II (R13)
ELECTRONICS AND COMMUNICATION ENGINEERING-04	VLSI DESIGN(R13)

DATE: 28-03-2019

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NOTE:

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### IV YEAR B.TECH - I SEMESTER- R13 REGULATION- SUPPLEMENTARY EXAMINATIONS MAY/JUNE-2019

TIME TABLE

TIME: 2.00 PM TO 5:00 PM 22-05-2019 24-05-2019 27-05-2019 BRANCH 03-06-2019 07-06-2019 10-06-2019 WEDNESDAY 12-06-2019 FRIDAY 14-06-2019 MONDAY MONDAY FRIDAY MONDAY WEDNESDAY FRIDAY Advanced Advanced Structural Foundation Design Engineering Remote Watershed Estimating Earth and Rock fill CIVIL Water Sensing & Management & Costing Dams and Slope Transportation Air Pollution and **ENGINEERING** Resources Finite GIS (COMM. To (Comm. Stability Control Engineering -II (Comm. To Engineering-(01-C E) Element CE, CEE, Water Resources To CE, (Comm. To CE. II CE, CEE) Methods ACE) CEE) Systems Analysis CEE) (Comm. To Industrial Waste CE, CEE) Water Treatment (Comm. To CE. CEE) Digital Optimization Control Techniques Systems ELECTRICAL Electrical (comm. To Power Utilization of AND Distribution Systems Digital EEE, EIE) Switch Gear and **ELECTRONICS** System VLSI Design Electrical Signal High Voltage **ENGINEERING** Operation Protection (Comm to EEE, EIE, Energy Processing Engineering (02-E E E) and Control BME) Electrical Estimation Data and Costing structures Notice Board Copy Removed on:

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#### KUKATPALLY - HYDERABAD - 5000 85 EXAMINATIONBRANCH

## IV YEAR B.TECH - I SEMESTER- R13 REGULATION- SUPPLEMENTARY EXAMINATIONS, MAY/JUNE-2019 TIME TABLE

BRANCH	22-05-2019	24-05-2019	27-05-2019	03-06-2019	07-06-2019 10-06-2019		T I M E: 2.00 PM TO 5:00 PM	
	WEDNESDAY	FRIDAY	MONDAY	MONDAY	FRIDAY	10-06-2019 MONDAY	12-06-2019 WEDNESDAY	14-06-2019
					Robotics (Comm. To ME, AME, MSNT)	Unconventional Machining Processes	WEDINESDAI	FRIDAY
MECHANICAL ENGINEERING (03-M E)	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME,MIE, ,MSNT, ACE)	ESEARCH Comm. To E, CSE, IT, MCT, AE, AME,MIE, ME, MCT)  Power Plant Engineering (Comm. To ME, AE, AME, AME, AME,	(Comm. To ME, AE, AME,	Instrumentation and Control Systems (Comm. To ME, AME)	Mechanical Vibrations (Comm. TO ME, AME, MSNT)	CNC Technology (Comm. To ME, MSNT)	55.700	
					Mechatronics (Comm. To ME, AME)	Automation in Manufacturing		
				Mechanics of Composite Materials (Comm. To ME, MSNT)	Design for Manufacturing			
				Industrial Management	Nanotechnology (Comm. To ME, CHEM, BME)			

DATE: 28-03-2019

Sd/CONTROLLER OF EXAMINATIONS

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#### KUKATPALLY - HYDERABAD - 5000 85 EXAMINATIONBRANCH

### IV YEAR B.TECH - I SEMESTER- R13 REGULATION- SUPPLEMENTARY EXAMINATIONS, MAY/JUNE-2019 TIME TABLE

BRANCH	22-05-2019 WEDNESDAY	27-05-2019	03-06-2019		10.06.3020	TIME: 2.00 PM TO 5:00 PM		
		FRIDAY	MONDAY	MONDAY	FRIDAY	MONDAY	12-06-2019 WEDNESDAY	14-06-2019 FRIDAY
ELECTRONICS AND	:	- 1				Television Engineering		
COMMUNICATIONS ENGINEERING (04-E C E)	Management Science (Comm. To ECE, ETM, MMT)  OPERATIONS	Microwave Engineering	Computer Networks (Comm. To ECE, EIE, BME)	Multimedia and Signal Coding (Comm. To ECE, ETM)	Programming through Java	Optical Communications (Comm. To ECE, ETM)	Cellular and Mobile Communicatio	Digital Image Processing (Comm. To ECE, ETM)
						Embedded Systems Design (Comm. To ECB, ETM)		
	RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME,MIE, ,MSNT, ACE) Image processing				Software Project Management (Comm. To CSE,	Machine Learning		
COMPUTER SCIENCE AND ENGINEERING	(Comm. To CSE, IT) P	Design Patterns (Comm. To	Linux Programmi	Cloud Computing	Π)	Soft Computing (Comm. To CSE, IT)	Information Retrieval Systems (Comm. To CSE, IT)	Data Warehousing and Data Mining
(05-C S E)	analytics(Associate analytics-II) (Comm. To CSE, IT) Information	CSE, IT)	ng		Mobile Computing	Artificial Intelligence		
	Security assessments and audits(security analyst-2) (Comm. To CSE, IT)				Computer Graphics (Comm. To CSE, II')	Computer Forensics		

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Removed or SREYAS INSTITUTE OF ENGG.&TESd/-9-39, Sy.No. 107, Tatti CONFROLEER OF EXAMINATIONS GSI, Bandlaguda, Nagole, Hydros.

DATE:28-03-2019

College Code : **VE** 



BOOKLET NUMBER:

068275

## **SREYAS**

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Nagole, Hyderabad - 500 068.

	MID TERM EXAMINATION ANSW	ER BOOKLET
Course	: B.Tech / M.Tech	
Branch	: CSE, Section D,	
Year	: 2nd, Semester :, Mid Term Examina	tion: 91, Month & Year: 919
Hall Ticket No	: 18 V & 1 A 0 5 K 2	D. Premay
Name of the Stu	ident: D. Sreemay;	Signature of the Student with date
Name of the Sul	bject :C++	1002019
Date of the Exam	m: 13/9/19	Signature of the Invigilator with date
MARK	KS AWARDED FOR QUESTIONS	
O No *	N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	36.1 36.1

). No.	*		Marks Awarded	Sub Total
		a	2	
1.		b	2	
		С	1	
		a		
2.		b		
		С	i ki	
		a	2	
3.		ь	2	
		С	1	
		a		
4.		b		
		С		
			Total	10

Marks	Maximum	Awarded
Subjective	10	10
Objective	10	9
Assignment	05	5
Total	25	24

Signature of the Evaluator with date

\* Student must indicate / mark against the attempted question

#### INSTRUCTIONS TO THE CANDIDATES:

- 1. Students must be present in the examination hall 15 minutes before the commencement of the examination.
- 2. Write H.T. No. Name etc., correct & legible and must be signed on the main answer book and attendance sheet.
- 3. Student must adhere to all instructions given by an Invigilator prior to, during and immediately after an examination.
- 4. Students are required to ensure submission of answer scripts at the end of the examination, failure to submission of answer script would be treated as absent.

  D.No. 9

  D.



#### START WRITING FROM HERE

Lant a) The difference between oop and pop

POP

\* pop + procedure oriented programming

xoop: Object oriented programming

- \* The program is divided \* The program is divided vilo small parts called functions
- + It is based on the unreal world
- \* It doesn't have access specifiers
- + The data is less secured
- \* The program give the functions than data

Examples are : C

uito small parts called objects

- A It is based on the real world
  - of It have access spectitiers
  - i) private ii) public
    - iii) protected
- + The data is more secured.
- + The program give more more importance to important to the data than functions.

Examples all C++, java, pyton.

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b) me + The constructor have has same name as class name it is always declared in public. I when the object is created the constructor allocates memory for the object + constructors cannot be when the types of constructors are.

i) default constructor ii) parameterized constructor iii) copy constructor.

i) Default constructor: constructor allocates memory dor the object when the object is created. It doesn't take any parameters

Syntax: class mame

variable

public:

Class Dame 1);

PRINCASure DE DE CHE DE LA DE ENGR. & TECH DE LA DELLA DE LA DELLA DELLA

removy for the object and it takes remarked as arguments:



Syntax: class fame

voriable dukalarations;

public! chars rame ( ) but r)

d

variable = n;

.

3:

the memory for the objects and it copies the data of other constructor by using address.

Syntax: class frame

d

Access specifiers!

variable declarations;

public',

class name (classname SK)

2

variable = K. variable;

J

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3;

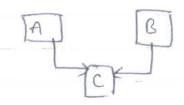
```
program to construct default, parameterized and
copy constructors
Program !
# Include < lostream.h>
# undude (con'co.n)
clan cons
    lut a;
     public:
     Con3 ()
        contac "constructo; called";
        Cha >> a;
         Cout Ha "LCQ"
    Cons (wtx)
        a=x;
        cout <<"a=" << a;
     cons (com & E)
          a= kia;
          contecte " cha; " In copy a= "cha;
```



B

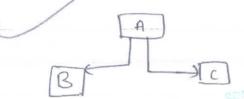
the class be B wherites data from and

ii) multiple unheritance: The class is inherited to class I and class 2 unherited another class.



class c inherites data from class A and class B.

(nherited to other two classes.

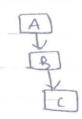


Aswerb\_

class A data wherited todaguda charrier Byderabad-68

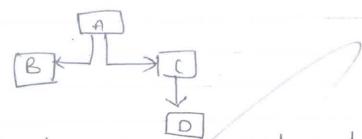
v) multilevel inheritance: The class inheritis data from another inherited class is called multilevel inheritance.





class c inherites data from the inherited data of A to class B.

more inheritances is called hybrid luherilance



It is the combination of herrarchial and single inheritance.

3) mla) pictars: \* class is a blue print of an object \* class is a uses defined data type

\* class has data members and mu

member functions.

Syntax of class '-



class classiane

9

Access specifiers:

dictaration of variables;

tunctions ();

statin ents:

2

Meniory will be allocated for the data

+ object is a tempte of a class.

Syntax for Object: classame objects;
Object (tanctions):
The objects is always created in the

program tor the object and class:

# Include ( lostream. h>

# Include & contoin>

clan A

2

paublice!

'uta;

public:

void getal)

SRE D.No. Bandlaguda. To

F. G. & TECH



cout << "entr a value"; ";

C'un >> a;

Cout << "a = "<< a);

Void malue)

elrscred;
A. 01;
OI. getul);
clrscred;

enter avalue: 10

private variables of
the class can be access
in another function
outside the class by
using triend function.
the key word used is
friend.

# The function will be declared with class by using arrguments as class name and key word friend.

\* And in the function it laked to class name and object name as orguments 10

for evample:

program!

thuchide <lostream.h>

tinchide <con'io.h>

class frind;

class frind!

q

privati;

ruta;

friend large (frind!, frind);

class trade

pr'watanida Tattannaram, Hyderabad-68

fricend large (frid1, frid2);



Void large (fradifi, fradit)

Cout (c'Enter a value and
b value:";

Clin >> fi.a>> f2.b;

Cout (c'In als greatur;

J

else it (flac f2.b)

context In bis greater;

I the context In a = b";

Dutput! Enter avalue

and b value!

10 20

b is greater.

class constructor we invoke constructors in the base and derived class and call them by using the objects in the main. The example program is to

# Include < to stream.h>

# Include < ton'to.h>

class base

d

rut a;

public:

Asuresh a TECH



a=10; cout <<" constructor called";

class derived: public base

public;

t=10+

derived constructor

derwed (mtx)

t=x;

Cout LC" bit = "CC;

deriwed (deriwed & k)

t= Kat

coutce copt t= " < L +;

void main ()

derwed d1, d2(6), d3 (d2);

output :

constructor called
derived constructor called
constructor called
t=6
constructor called
copt t=6

PRINASTRES

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INSTITUTE OF ENGINEE	ERINS AND THE HEIGH PICK
II B. Tech I Sem. I - Mid Examinations Ob	jective Question Paper – SEPTEMBR, 2019
Subject: Object Oriented Programming Using C++	Branch: CSE
Duration: 20 Minutes Date: 1	13-09-2019(AN) Max Marks: <b>10</b>
Name of the Student: KISIGVANA	Hall Ticket No L 7 V E LA 05 L L
	uestions Carry Equal Marks.
I. Choose the correct alternative.	
1. Which of the following permits function overloading	g on c++?
A) type	g on c++?
B) number of arguments	
C) type & number of arguments	
D) none of the mentioned	
2. Constructors are used to	
A) initialize the objects	· [a]
B) construct the data members	
C) both initialize the objects & construct the date	ta mambara
D) none of the mentioned	ta memoers
. Where does keyword 'friend' should be placed?	
A) function declaration	[ \( \) \( \)
B) function definition	
C) main function	
D) Anywhere in program	
. How many parameters does a default constructor req	
A) 1	
B) 2	/
C) 0	
D) 3	
. Which of the following can derived class inherit?	T. Carlotte and the car
A) members	[6]
B) functions	
C) both members & functions	
D) none of the mentioned	
The OOPs concept in C++, exposing only necessary is	information to users or clients is known as [ a ]
A) Abstraction	of chemicals and will as [ oc.]
B) Encapsulation	
C) Data hiding	
D) Hiding complexity	
- / vompleany	Aswering & TE
	SREYAS INSKIT TRANSPORTED IN A GRAND IN THE STATE OF THE
	D.No. 9-39, Beside indu Aladaya, Bandlaguda, Tattiannaram, Hyderabad
	Bandlaguua, tattum

7. Which concept allows you to reuse the written code?	[C]
A) Encapsulation B) Abstraction C) Inheritance D) Polymorphism	
8. What is the difference between delete and delete[] in C++?	[0] \$
A) delete is used to delete normal objects whereas delete[] is used to pointer objects B) delete is a keyword whereas delete[] is an identifier C) delete is used to delete single object whereas delete[] is used to multiple(array/point) delete is syntactically correct but delete[] is wrong and hence will give an error if the content of	nter of) objects
. Which of the following is the correct difference between cin and scanf()?	[4]
<ul> <li>A) both are the same</li> <li>B) cin is a stream object whereas scanf() is a function</li> <li>C) scanf() is a stream object whereas cin is a function</li> <li>D) cin is used for printing whereas scanf() is used for reading input</li> </ul>	
<ul> <li>10. Which of the following is correct?</li> <li>A) struct cannot have member function in C but it can in C++</li> <li>B) struct cannot have member function in C++ but it can in C</li> <li>C) struct cannot have member function in both C and C++</li> <li>D) struct can have member function in both C and C++</li> </ul>	[4]
II. Fill in the Blanks.	
11 function can access private members outside the class.	
data members of a class have only one copy and shared by all objects of t	hat class.
13. new and delete are operators used for dynamic memory allocation in c+	+. /
14. A constructor with object as an argument is called default constructor.	
15. Object is an instance of a class.	1.0
16. Is a super class of all classes.	PRIN Asuresh
17. One base class inherited to more than one derived class is called multiland, inherita	nce. Since Industryanya.
18. Static member functions can access only thedata members of a class.	affiannaram, Hyderabad-68
19. An Dangling Pointer is a	
20. With private inheritance, public and protected members of the base class become the derived class	members of



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ASSIGNMENT / OBSERVATION BOOK

Student Name : K. Shivani

Roll No.

: ITVEIAOSLY

Branch

: CSE-D

Subject

: Data Structures

Year/Semester:

11-8

### **Vision of the Institution:**

To be a centre of excellence in technical education to empower the young talent through quality education and innovative engineering for well being of the society.

#### Mission of the Institution:

- M1 Provide quality education with innovative methodology and intellectual human capital.
- M2 Provide conducive environment for research and developmental activities
- M3 Inculcate holistic approach towards nature, society and human ethics with lifelong learning attitude





### Vision of the CSE Department

To excel in computer science engineering education with best learning practices, research and professional ethics.

### Mission of the CSE Department

- M1 To offer technical education with innovative teaching, good infrastructure and qualified human resources.
- M2 Accomplish a process to advance knowledge in the subject and promote academic and research environment.
- M3 To impart moral and ethical values and interpersonal skills to the students

### PROGRAM OUTCOMES (POs) -CSE Department

The current Civil Engineering program educational objectives were developed as part of the program's ongoing efforts to maintain through innovation a program that meets the needs of our constituents. The educational objectives of the Civil Engineering program are:

- Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.





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

9-39, Sy No. 107, Tattiannaram (V), G.S.I. Bandlaguda, Nagole, Hyderabad - 500 068. Ph.: 040-65814415, 9959655755, 9393421213 E-mail: info@sreyas.ac.in | www.sreyas.ac.in

### **ASSIGNMENT / OBSERVATION BOOK**

Assignments	Max. Marks	Marks Obtained	Remarks
1st Assignment	5	5	
2nd Assignment			
3rd Assignment			
4th Assignment			
Average Marks			

Signature of faculty

Signature of HOD



anewnode at the beginning of the Ust

Step! - Couate a new node, when left bield & right field is now a data is inserted

Stope: if the list is empty start = new node

slip3:- if the list is not empty pollow the steps

Parogram!-

Vold insut - at - begi)

node \* rewrode ()

new node 2 (node \*) mallor (size of (node));

Present b ("enter data");

Scanf ("x. d", faconode -> data);

newnode > 60+ = NULL;

newnode > sught = NULL;

if (start) 22 Null;

SREYAS INS ASJURENCE GG. & TECH D.No. 9-39, Basile IIII, Hyderabad-68 Bandlaguda, Tattiannaram, Hyderabad-68

Start 2 new node ebe newnode -> sught > Stant; Start 2 lyt 2 new node; Start > new node! Insert at end! areate a rewrode with left to right field as NULL Einsert data in data field stepa! - if the list is empty start 2 new node. Step3! - If the list is not empty Jollow the steps Starts new node; temp 2 Stout; while (temp -> suight; = NULL

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temp = temp -> orighit temp -> oright = new node wold Prosent\_at \_ ender node \* new node, \* temp! NEW node = (node + ) malloc (size of (node); Raint & ("enter date"); Scanf ("Y.d", newrode > data); newnode >> lyt = MULL; rewrode -> ought 2 NULL; ij (start 2 NOU) Start 2 resnote; demp > start; while (temp -> Juight ! = NULL) temps temp -> light; tempa -> dight = new node!

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D.No. ASURE Hodu Arenya,
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rewrode -> left 2 temp",

b) What is collision? Explain any two collision susolution tech niques with example

Collision occur when the hash junction maps 2 different keys to the same location the two records Cannot be stored in the same location.

those fore a method is used to Solve the Psioblemay Collision which is called as collision susolution

Lehotque

the most popular methodo og gusolving Collisions org.

1. Open addressing (dose 2 hoshing

20 open hasting

the powers of examining memory locations enthe hash table is called perolong

open addressing technique. Canbl Emplemented by using

liaear possing

Quadratic possing

Pouble hashing

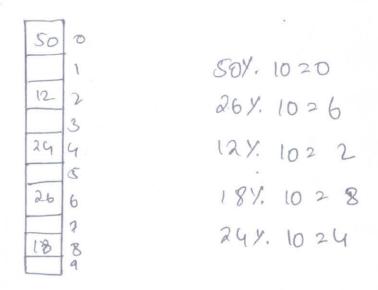
Rehashing

Rehashing is another collision technique which in ousizing of hash table when collisions are more in a nom

n 2 no. of . Keys m 2 table size

500	
26 1	SOX 5=0
12 2	264.5 2 1
18 3	124. 522
24 4	18 x 5 23
	244. 5 24

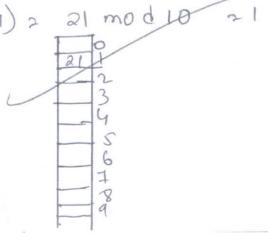
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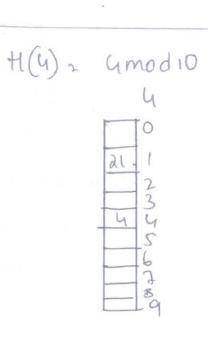
Separate Chaining! -

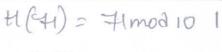
this chaining allows storing the key eliments with the same values into a linked list

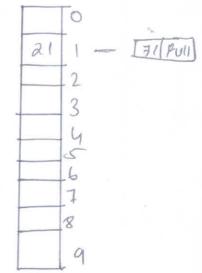
Egl. 21, 4, 71, 6, 56 H (21) 2 21 mod 10 21

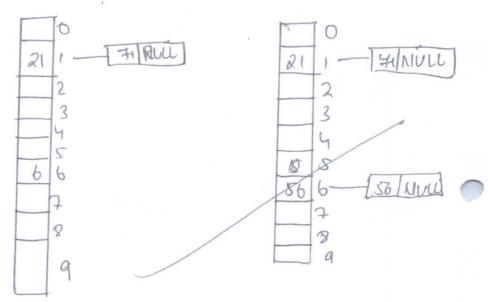


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13. Tattiannaram, Hyderabad-68

Co Define terms node, Sibling, depth, height, and of

node!

Anode is a stwefure which may contain a value or condition, or represent a separate data structure

Sebling!A group of nodes with same Parent

Depth!- the distance UW a node & the Goot

Level!- the no-of edges blw a node & Goot

2.) a.)

Explain with an example the linked supresentation of a stack

Stack using Cenked List L

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Bandlaguda, Tattiannaram, Ayderabad-68

Void push (And value) Itsuet node \* new node ! newnote! (struct node\*) malloc (size of (struct node)) 1 (new node = = NULL) Printf (" Stack overflow")! newnode -> data = value; if Ctop 2 2 NULL) new node -> next = NUCL! 260 new node > next 2 top; top2 new node } Print & (" Insertion is successfull"); void pop () 11 (top 2 2 NULL) Print & (" stack under How");

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Bandlaguda, Tattiannaram, Hyderabad-68

else Short node & temp stop; Pount f ("deleted element bx.d", temp -> data); top 2 top -> next; true (temp); b.) What is hashing ? Explain different hashing methods with an example? If we want to perform search operation in time people. -onal to o(n) then we have concept hashing Hasting is an efficient way of sorting and notorung the element from a structure there are a concepts on hashing Hashtable 2. Hash function. there are various hashing methods

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Bandlaguda, Tattiannaram, Hyderabad-on

Division method mid square method multiplicate method Digit folding method.

· Division methodi-

the hash function depends on humander of the division the hash function n(key) 2 data 1. table size

Egl phane the data 34,67, 42,69,70

Puto hash table size 10

h(key) 34 2 34 4. 10 24

57 2 874. 10 27

30 4

40 2 404. 102 0

57 7

SREYAS INSTITUTED TECH D.No. 9-39, Beside Indu Aranya, Bandlaguda, Tattiannaram, Hyderabad-68 Mid square method! -It is a good hash function. Cal Culate the hash valve for keys 1234 and 5642 using mid square method Hash table Size 2100 K2 1234 K22 1234x1234 2 1522756 5642 32 822 no. of digits 1234 K2 5642 5642 X5642 2 31832 164 8232

W

multiple cateur method! the steps envolved in the multiple courts method
he as follows

SREYAS ASURES 16G & TECH D.No. 9-39, Description of the Park Bandlaguda, Tattiannaram, Hyderabad-68 Step 1:- choose a constant A such that o < A < 1

Step 2!- multiply the key by A Extract the

Anactoral part kA

Step 31- multiply the orwalt of steps by the state
of hash table

there hash function

Lm (kmod 1)

A 2 0.618

Degit tolding method!— the digit tolding method works in the following steps preside the key into no. of parts that divides repato kikz --- When each part has same number of digits

add in dividual parts Kitkz---kn

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(.) peroperties of binary true!

-> A tru with nodes has exactly (n-1) edges

> Ina true every node except the groot node has exactly one parent

It a tree

>> the max number of nodes in a binary true

Kis 2kt 2<sup>KH</sup>-1 where K≥0

a.)

Convert theinfix expression alb-ctd & e-a\*C into Post fix expression and trace that postfix expression and trace that postfix expression and trace that postfix expression to given data

a2b, b23, C=1, d22, e24 abe + de \* -ac\* able - + de \* -ac\* able - de \* + ac\*able - de \* +ac\*

> SREYAS INCTION ASUNCE & TECH D.No. 9-39, see the Incommental Bandlaguda, Tattiannaram, Hyderabad-68

Asurus

b.) Explain the linked list supresentation and operations of dictionary AD?

Die Honavies! - A dictionary is an ordered list of key & value pairs where keys arranged to be cate the elements in a list

A dictionary is a dynamic let of ADT APT is an object with generic discription Independent of I'm plementation details.

Di ctionary is another teype of data structure Engl-ementation by various concepts like hashing.

Basic operations of diction aries aret-

Pasent (x, D) => insention of element n(ky, value) in
Dictionary

delete (X,D) > deletion of a element x(key value)

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search (x,p) -> learching proseribed value x In a dictionary D with ky Value Size (0) -> It returns no of elements en D MAX (D) -> Return max eliment Pn D Men (0) -> Return min element in D Implementation of dictionaries using Unked list Ky Value. > 30/40 > 4/6/NULL 30 | 2/2/2017 ac) list the application of tree! Tours occurs tequently in real life. An organisation tru records the structure of a hierariehical organisation. Such as Livizional Shructure this Structure its is implicit Enordenary textual dependent ation

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# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING ASSIGNMENT / OBSERVATION BOOK

Student Name : K. Shivan?

Roll No. : 17 VEIAO 5 LY

Branch : CSE-D

Subject : Data Structures

Year/Semester : 11 - 7

### **Vision of the Institution:**

To be a centre of excellence in technical education to empower the young talent through quality education and innovative engineering for well being of the society.

#### Mission of the Institution:

- M1 Provide quality education with innovative methodology and intellectual human capital.
- M2 Provide conducive environment for research and developmental activities
- M3 Inculcate holistic approach towards nature, society and human ethics with lifelong learning attitude



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### Vision of the CSE Department

To excel in computer science engineering education with best learning practices, research and professional ethics.

### Mission of the CSE Department

- M1 To offer technical education with innovative teaching, good infrastructure and qualified human resources.
- M2 Accomplish a process to advance knowledge in the subject and promote academic and research environment.
- M3 To impart moral and ethical values and interpersonal skills to the students

### PROGRAM OUTCOMES (POs) -CSE Department

The current Civil Engineering program educational objectives were developed as part of the program's ongoing efforts to maintain through innovation a program that meets the needs of our constituents. The educational objectives of the Civil Engineering program are:

- Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct Investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

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9-39, Sy No. 107, Tattiannaram (V), G.S.I. Bandlaguda, Nagole, Hyderabad - 500 068. Ph.: 040-65814415, 9959655755, 9393421213 E-mail: info@sreyas.ac.in | www.sreyas.ac.in

### **ASSIGNMENT / OBSERVATION BOOK**

Assignments	Max. Marks	Marks Obtained	Remarks
1st Assignment	5	s	
2nd Assignment			
3rd Assignment			
4th Assignment			
Average Marks			

Signature of faculty

Signature of HOD

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204

anewnode at the beginning of the Ust

Step! - Couate a new node, when left bield & sight field is NULL & data is inserted

Stope: if the list is empty start = new node

newnode > sught = NVLL',

if (start) 22 Null;

slip3:- If the list is not empty pollow the steps

Porogram!-

Vold insert - at - begi)

E

Node \* new node ()

New node 2 (node \*) mallor (size op (node));

Print b ("enter data"),

Scanf ("x. d", & awonode -> data);

new node > bept = Null;

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Start 2 new node ebe newnode -> sught > Start; Start 2 lyt 2 new rode; Start > new node! Insert at end! acate a rewrode with left to right field as NULL EPROSent data for data field Stepa! - if the list is empty start a new node. Step3! - If the Ust is not empty Jollow the steps Startz new no de; temp 2 start;

while (temp -> suight; = NULL

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temp 2 temp -> sughit temp -> oright = new node wold Prosent\_at \_ ender node \* new node, \* temp! new node = (node + ) malloc (size of (node)); Raint & ("enter data"); Scanf ("Y.d", newnode > data); newnode -> lyt = NULL; rewrode -> ought 2 NULL; ij (start 2 NOW) Start 2 resnote; Close temp > start; while (temp -> Dight ! = NULL) temps temp -> lught; Fempa -> dight = newnode!

new no de -> left 2 temp",

b) what is collision? Explain any two collision susolution tech niques with example

Collision occur when the hash punction maps 2 different keys to the same location the two records cannot be stored in the same location.

thou for a method is used to solur the Poisblemay Collision susolution

kehotque

the most popular methodo of susolving Collisions or.

1. open addressing (dose a hashing

as open hasting

the powcers of examining memory locations enthe

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open addressing technique. Canbl Emplemented by using

linear possing

Quadoratic possing

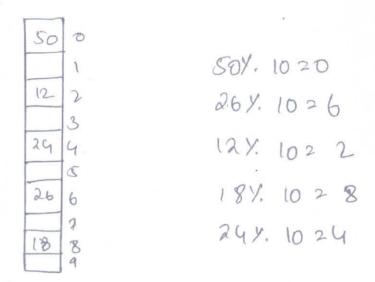
Pouble hashing

Rehashing

Rehashing is enother collision technique which in ousizing of hash table when collisions are more

n 2 no. of . Keys m 2 table lige

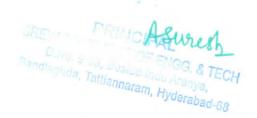
50 0	
26 1	SOX. 5=0
12 2	264.5 2 1
18 3	12 y. 5 2 2
24 4	18 x 5 23
	244. 5 24

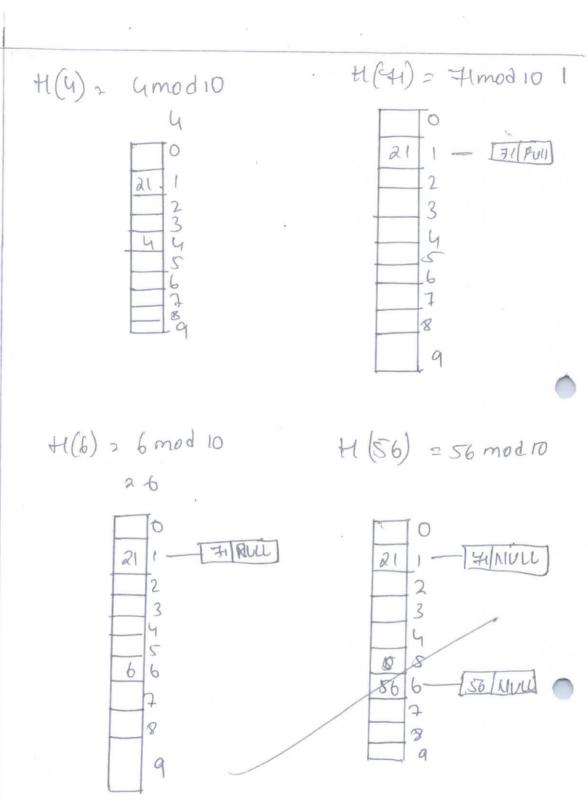


Separate Chairing! -

this chaining allows storing the key eliments with the same values into a linked list

Egl. 21, 4, 71, 6, S6 H (21) 2 21 mod 10 21





Co Define terms node, Sibling, depth, height, level of

node!

Anode is a stweture which may contain a value or Condition, or repusent a separate data steveture

A group of nodes with same Parent Depth! - the distance UW and de & the snoot Level !- the no of edges blu a norde & 900+

2) Explain with an example the linked organisentation of a stack Stack using linked list L

Void push (And value) Itsuet node \* new node; newnole! (struct node\*) malloc (size of (struct node)) 1 (new node = = NULL) Printf (" Stack overflow")! newnode -> data = value; if Ctop 2 2 NULL) new node -> next = NUCL! else rewrode > next 2 top; lops new node + Print & (" Insertion is successfull"); 4 void pop () 11 (top 2 2 NULL) Print & (" stack under How");

else Should node of temp atop; Pointf ("deleted element bx.d", temp->data); top 2 top >> next; True (temp); b.) What is hashing ? Explain different hashing methods with an example? If we want to perform search operation in time people. -onal to o(n) then we have concept hashing Hashing is an efficient way of sorting and not oring the element from a Structure there are a concepts on hashing Hashtable 2. Hash function. there are various hashing methods

> SREWS ASWESS TECH D.No. 9-09, Day of TECH Bandlaguda, Tattiannaram, Hyderabad-68

Division method mid square method multiplicate method Digit folding method.

1. Division methodi-

the hash function depends on humandar of the division the hash function

n (key) 2 data Y. table size

Egl phane the data 34,67,42,69,70

Puto hash table size 10

h(ky) 34 2 34 4. 10 24

57 2 874. 10 27

40 2 404. 102 0

57 7

Mid square method! -It is a good hash function. Cal Culate the hash valve for keys 1234 and 5642 using mid square method Hash table Size 2100 K2 1234 K22 1234x1234 2 1522756 5642 32 822 no. of digits 1234 K2 5642 5642 X5642. 2 31832 164 8232

m

multipli cateur method! the steps envolved in the multiplication method

As as follows

Step1: - choose a constant A such that o = t = 1 stepa! - multiply the key by A Extract the teractional part KA

Step 31- multiply the oresult of steps by the soze of hash table Hence hash function (kmod 1) A 2 0.618

Degit tolding method! - the digit tolding method works in the following steps pruide the key into no. of parts that divides Reato k, Kz --- When each part has same number of digits

add in dividual parts Kitkz --- kn

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(.) peroperties of binary true!

-> A teu with noodes has exactly (n-1) edges

> In a true every node except the groot node has exactly one parent

I there is exactly one path connecting any two nodes

> the max number of nodes in a binary true

Kis 2kto 2KH-1 where K ≥0

2.) ar)

Convert theinjix expression alb-ctd & e-a\*C into Post fix expression and trace that postfix expression and trace that postfix expression and trace that postfix expression to given data

a2b, b23, cx, d22, e24 abe + de \* -ac\* able - + de \* -ac\* able - de \* + -ac\*ablc - de \* +ac\*

> SREYN ASURES MGG. & TECH D.N. ASURES MGG. & TECH Bandlaguda, Tattiannaram, Hyderabad-68

b.) Explain the lanked list supersentation and operations of dictionary ADT

Die Honaves! - A dretionary is an ordered list of Kny & value pairs where Knys are used to be cate the elements in a list

A dictionary is a dynamic let of ADT ADT is an object with generic discription Independent of I'm plementation details.

Di ctionary is another teype of data structure Engl- ementation by various concepts like hashing.

Basic operations of diction aries aret-

Pasent (x, D) > insention of element n(ky, value) in
Dictionary

delete (X,D) > deletion of a element x(key value)

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Pandlaguna, Tantama om, Hyderabad-58

search (x,p) -> searching proseribed value x In a dictionary D with ky Value Size (0) -> It returns no of elements on D MAX (D) -> Return max eliment in D Men (0) -> Return min element in D Implementation of dictionaries using Unked list Ky value 30 | 2/2/2017 30 40 1 (a) list the application of tree! Tours occurs bequestly in really. An organisation tru records the structure of a hierarchical organisation. Such as divisional Shructure this Structure its is implicit Enordenary textual dependent ation

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ACADEMIC Y	BATCH	DEPARTMEN	DESIGNATIO
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DESIGNATION COURSE TITLE

	2018-19
YEAR & SEMESTER	2016
REGULATION	ECE
SECTION	Assoc Professor
SECTION	K MAHESH
	ANTENNAS AND WAVE PROPAGATION

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	U1	4	ω	2	1		S.No			A		_	_	
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Manda Vinathi	Malempati Aravind Rohan	Malayala Mythili Gupta	Madireddy Deepu Sai Raja	Lingala Navya	Lagisetty Mythreyi	Koya Priyanka	Kota Sowmya Reddy	Kontham Preethi Reddy	Kodiganti Renuka	Katakam Phani Mahidhar	Karkonda Kranthi Kumar	Kannegulla Sai Surya Teja	Gudimetla V S Eswar	Golla Satish	G S L S Sai Pratyusha	Chittiraju Narmada	Bonthula Shalini	Bojjigam Sainath	Bochu Mounika	Bilakanti Akhil	Bachupally Sai Kiran	Gundeboina Kartheek Yadav		Student Name						I	
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24	16VE1A0433	Manikonda Sri Hrudya	2	2	1	2	0	14							8	7.5	5	21
25	16VE1A0434	Manne Tarun Reddy	1.5	1.5	1	2	0	1	-						7	6.5	5	19
26	16VE1A0435	Mendegujjula Bikshapathi	1.5	1.5	0.5	1.5	0	1							6	3.5	5	15
27	16VE1A0436	Mididuddi Saiharshitha				2	0	H	2	2	0.5				7.5	8	5	21
28	16VE1A0437	Mogulla Manisha	1	2	1				2	2	1				9	7.5	5	22
29	16VE1A0438	Muske Santosh Reddy	2	1.5	0.5	1	0								5	5	5	15
30	16VE1A0440	Nekkalapu Sai Vinay	2	2	1				2	2	1				10	8	5	23
31	16VE1A0441	Peddarangam Varun	2	2	1	2	0	1							8	8	5	21
32	16VE1A0442	Rajulapathi Nihkil	1	2		1	0	1							5	6	5	16
33	16VE1A0443	Rajury Manvitha	2	2	1				2	2	_				10	8.5	5	24
34	16VE1A0445	Satyamsetty Susheel	2	2	1				2	2	1				10	8	5	23
35	16VE1A0446	Seemala Sai Kiran	1		1			1							3	8	5	16
36	16VE1A0447	Suraj Wadhwa	2	2	1					2	1				8	8	5	21
37	16VE1A0448	Surakanti Nivas	1.5	1.5	0.5				2	2	1				8.5	8	5	22
38	16VE1A0449	Thanda Sai Chaithanya	1.5	1	0	1	2	0		1					5.5	8	5	19
39	16VE1A0451	Vaddepally Rama Krishna				2	2	1				2	0.5	1	8.5	6	5	20
40	16VE1A0452	Vankudoth Balraj	0	2	0.5	1	0	1							4.5	4	5	14
41	16VE1A0453	Vedavathi	2	2		1.5	0								5,5	6	5	17
42	17VE5A0403	Mohammed Muzamnii Shareef				2	0	1	1.5	2	0.5				11	6	5	22
43	17VE5A0404	Naraboina Prashanthi				1.5	0	1	2	1	1				6.5	8	5	20
44	17VE5A0405	Padakanti Sowmya				2	0	1	2	2	1				8	7	5	20
45	17VE5A0410	Sanikommu Deekshitha Reddy	2	2	1	2	2	1							10	7.5	5	23
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COURSE TITLE

ANTENNAS AND WAVE PROPAGATION

Signature of the Faculty

SREYAS INSTITUTE OF ENGG.&TECH.
9-39, Sy.No. 107, Tattiannaram (M.
GS), Bandlaguda, Nagole, Hyd-68.



### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE) B.Tech - R18 - I Year - II Semester CIVIL ENGINEERING

Final University Consolidated Internal Marks Report-Date - 2019-05-08 16.11.54

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18VE1A0108	23	25	24	23	25	21	22	-
18VE1A0109	0	0	17	3	0	0	3	
18VE1A0110	23	25	24	23	23	19	22	-
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18VE1A0120	25	25	24	22	23	21	20	1
18VE1A0121	0	0	9	3	0	2	3	1
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# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R18 - I Year - II Semester
MECHANICAL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.12.00

HNTO	15201	15202	15203	152AA	152AB	152AD	152AH
17VE1A0382	0	0	18	3	0	5	0
18VE1A0301	20	20	25	14	19	18	7
18VE1A0302	21	25	24	15	20	17	11
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18VE1A0304	24	22	24	19	23	18	16
18VE1A0306	20	19	22	17	20	17	17
18VE1A0307	14	20	23	16	15	16	14
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18VE1A0309	25	21	23	17	7	18	17
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18VE1A0311	25	24	25	20	20	21	18
18VE1A0312	25	25	25	21	21	18	15
18VE1A0313	23	24	24	22	23	20	15
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8VE1A0326	24	24	24	19	21	19	19
8VE1A0327	21	24	23	20	20	17	19
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18VE1A033	7	14		19		23		_	12		15		14		2
18VE1A033	9	18		25		23			21		21		21		18
18VE1A034	0 2	24		24		24			15		20		20	I	13
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18VE1A0344	1 1	4	2	24		20		1	19		18		16		17
18VE1A0345	5 2	3		18		21			17		19		17		16
18VE1A0346	6 0		(	)		0		C			3		5		0
18VE1A0347	0		2	20		25			3	7	16		22		6
18VE1A0348	3 2	3	7	25		25			9		22		23		19
18VE1A0349				1	1	24			7		13		19		14
18VE1A0350	1	4		4		20			2		9		11		8
18VE1A0351	1.	4		0	_	20			6		13	1	17		5
18VE1A0352	2	3	2	4	7	25		2			17		19	_	17
18VE1A0353	14	4	1	4		19		1			14		16		16
18VE1A0354	17	7	2	3	1	24		19			6		19		18
18VE1A0355	22	2	2	5	2	24		2			9		20		23
18VE1A0356	21		2	1	2	23		12			1		12		3
18VE1A0357	18	3	24	4	2	24		19			8		20		17
18VE1A0358	23	3	24	4	2	24	1	23	3	2	0		20		20
18VE1A0359	20	)	23	3	2	25		19	)	1	6		20	_	19
18VE1A0360	25		23	3	2	25		17	7	1	6		22		7
18VE1A0361	16		20	)	2	2		11		1	1	1	9		9
18VE1A0362	15		22	2	2	3	2	21		2	0	1	9	1	5
18VE1A0363	0		18	}	2	4	1	17		1	6	1	6	1	4
18VE1A0364	24		24		2	5	2	21		2	0	2	0	2	0
18VE1A0365	25		25		2	5	2	23		2	3	2	1	2	2
18VE1A0366	22	_ 2	25		2	4	2	23		22	2	2	1	1	6
18VE1A0367	14	- 2	20		2	2	1	4		15	5	1	7	1	4
18VE1A0368	14		14		2	2	1	3		10	)	1	1	8	
18VE1A0369	24	2	25		2	5	2	4		24	1	20	0	2	1
	25	2	24		2	5	1	5		20	)	22	2	1	7
	22	2	25		24	1	2	4		23		2	1	22	2
	18	2	21	_ /	23	3	1	9		21		19	9	18	3
	13	1	6	(	0		1	7		16		3	EYA	11	Mor
18VE1A0374	14	2	1	2	22	2	18	8		19		20	) D.	16	9-3
	24	2	4	2	25	5	19	9		19		21	ndla	17	ła, Ta
	23	2	3	2	24		18	3		20	- 1	20		17	
	16	2	3	2	23		15	5		17		17		23	
18VE1A0378	14	2	1	2	22		16	3		18		17		15	

PRINCIPAL
TOUTE OF ENGG. & TECH
9, Sesue Indu Aranya,
attiannaram, Hyderabad-68

HNTO	15201	15202	15203	152AA	152AB	152AD	152AH
18VE1A0379	21	23	24	18	18	19	19
18VE1A0380	24	21	23	13	16	17	16
18VE1A0381	14	24	24	13	18	21	17
18VE1A0382	18	20	23	14	12	18	16
18VE1A0383	24	19	24	15	15	19	14
18VE1A0384	23	25	24	22	24	21	23
18VE1A0385	14	20	23	18	18	19	17
Total:84	153 2	174 9	188 5	139 3	142	146 2	121 4

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

Subject Code	Subject Name
152AB	CHEMISTRY
15201	ENGINEERING WORKSHOP
152AA	MATHEMATICS II
15203	ENGLISH LANGUAGE AND COMMUNICATION SKILLS LAB
152AD	ENGLISH
15202	ENGINEERING CHEMISTRY LAB
152AH	ENGINEERING MECHANICS

Partie -

Signature Of Principal with Date & Office seal

SPEYAS INSTITUTE OF ENGG. & TECH 9-39, Sy. No. 107, Tatiannaram (V). GSI, Bandlaguda, Negola, Hyd-68

> Notice Board Copy Removed on: 94 5

Notice Board Copy Issued on: 9519

> SREYAS INISTA CUPAL SREYAS INISTA CUPEA GG. & TECH D.No. 9-39, Beside Indu Adanya, Bandlaguda, Tattiannaram, Hyderabad-68



#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE)

B.Tech - R18 - I Year - II Semester

ELECTRONICS AND COMMUNICATION ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.12.07

HNTO	15201	15202	15203	15204	152AA	152AB	152AC	152AD
18VE1A0401	23	21	23	19	19	18	14	17
18VE1A0402	22	24	25	23	21	24	20	21
18VE1A0403	14	22	22	17	14	16	12	17
18VE1A0404	24	22	22	23	22	22	17	19
18VE1A0405	18	24	25	23	17	19	17	25
18VE1A0406	25	25	22	23	22	22	17	22
18VE1A0407	20	23	23	18	15	20	14	20
18VE1A0408	21	22	20	18	21	21	16	18
18VE1A0409	24	23	24	24	23	23	22	23
18VE1A0410	21	15	20	12	8	8	5	14
18VE1A0411	22	21	23	12	10	11	10	21
18VE1A0412	23	22	24	25	23	23	23	23
18VE1A0413	24	24	23	22	20	21	18	20
18VE1A0414	20	24	22	21	23	23	17	19
18VE1A0416	17	19	21	18	16	18	14	15
18VE1A0417	21	23	23	23	25	23	21	20
18VE1A0418	25	22	24	23	20	20	18	20
18VE1A0419	0	18	19	14	11	8	9	14
18VE1A0420	24	23	22	20	17	21	15	21
18VE1A0421	0	0	24	0	3	3	0	0
18VE1A0422	23	24	24	23	23	23	23	22
18VE1A0423	22	25	21	22	21	20	17	19
18VE1A0424	22	23	22	22	19	19	18	16
18VE1A0425	21	24	21	22	21	22	18	21
8VE1A0426	25	22	22	22	25	22	FIGE Y	18
8VE1A0427	24	22	24	22	18	19	15 <sub>ans</sub>	17
8VE1A0428	24	21	22	20	18	19	14	17
8VE1A0429	25	25	25	25	25	23	24	22
8VE1A0430	22	25	24	24	22	22	19	23
8VE1A0431	23	24	23	24	20	21	19	21
	21	25	23	22	23	23	19	21
8VE1A0433	21	20	23	23	24	23	21	19

PRINCASURED

FIGURE OF ENGG. & TECH

19, Beside Indu Aranya,

Tattiannaram, Hyderabad-68

HNTO	15201	15202	15203	15204	152AA	152AB	152AC	152AD
18VE1A0434	1 25	25	25	25	24	23	21	23
18VE1A0435	25	25	25	25	25	23	21	24
18VE1A0436	21	21	23	18	15	17	14	17
18VE1A0437	25	25	20	22	23	24	20	22
18VE1A0438	20	17	19	19	15	15	14	16
18VE1A0439	22	23	22	16	21	21	15.	- 10
18VE1A0440	21	24	22	22	18	20	15	18
18VE1A0441	23	24	23	22	22	. 22	18	18
18VE1A0442	23	25	22	22	24	24		21
18VE1A0443	22	25	22	21	22	23	18	20
18VE1A0444	22	21	22	22	20	22	17	18
18VE1A0445	25	25	25	25	25	25	24	25
18VE1A0446	23	23	24	24	21	22	19	21
18VE1A0447	25	25	25	22	22	22	17	20
18VE1A0448	18	22	20	22	10	11	9	11
18VE1A0449	23	24	23	22	19	21	16	22
18VE1A0450	24	20	20	21	14	14	14	13
18VE1A0451	25	22	22	22	15	17	15	18
18VE1A0452	25	22	22	25	16	17	17	20
18VE1A0453	25	23	24	25	24	23	21	23
18VE1A0454	23	21	24	22	19	16	15	18
18VE1A0455	23	22	23	20	15	16	14	15
18VE1A0456	23	22	22	19	17	17	17	16
18VE1A0457	24	20	21	21	13	18	15	20
18VE1A0458	21	23	20	20	14	15	14	16
18VE1A0459	25	24	22	23	19	22	18	19
18VE1A0460	24	21	24	21	16	15	14	16
18VE1A0461	0	20	22	18	4	9	4	10
18VE1A0462	0	22	14	18	5	8	5	9
18VE1A0463	25	23	25	25	22	20	17	22
18VE1A0464	25	23	24	23	16	15	15	17
18VE1A0465	25	25	25	23	17	18	15	20
18VE1A0466	25	24	24	23	23	25	19	21
8VE1A0467	24	23	24	21	16	18	14	20
8VE1A0468	25	25	24	25	23	24	18	22
8VE1A0469	24	24	24	20	13	17	14	16
8VE1A0470	25	25	25	21	23	20	15	23
8VE1A0471	25	23	22	22	17	17	14	18
8VE1A0472	20	15	24	22	14	10	13	14
8VE1A0473	25	25	25	21	16	21	17 <sub>100</sub>	23
8VE1A0474	24	18	18	21	13	10	14	12
8VE1A0475	25	25	24	23	25	24	22	22
8VE1A0476	25	25	24	23	20	23	21	20
	25	24	24	25	20	22	19	22
8VE1A0478	22	18	23	19	14	16	14	19

PRINCIPALUTES DE FNGG, & TECH JB. GUSAGO INCU Aranya, Tattunnaram, Hyderabad-68

2-28

HNTO	0	15201	15202	45000	15203	15201	4070	152AA		152AB	i	15000	25.70	152AD
18VE1A047	9 2	3	22	2	4	2	1	18		19	)	116	_	19
18VE1A048	0 2	5	25	2	4	25		25		24		22	-	24
18VE1A048	1 2	5	23	2:	3	22		16		17		17		17
18VE1A048	2 2	3	15	19		21		16		15		14		14
18VE1A048	3 2	4	23	20	)	20		20		19		19		18
18VE1A048	4 2	4	24	20	)	22		20		19		15		19
18VE1A048	5 2	1	24	19		20		14		15		15		17
18VE1A048	6 25	5	24	25	5	23		22		21		19		21
18VE1A0487	7 25	5	24	24		23		22		22		19		19
18VE1A0488	3 24		22	23		22		19		7		19		18
18VE1A0489	23		23	24		22		24		22	1	17		19
18VE1A0490	21		22	20		18		12		0		14		19
18VE1A0491	25		25	23		25		22		1		19		22
18VE1A0492	25		23	22		22		21		0		18		21
18VE1A0493	25	4	24	24		23		19		9		17		22
18VE1A0494	25	2	24	24		23		20	2			19		23
18VE1A0495	24	2	23	24		23		21	2			16		22
18VE1A0496	20	2	22	19		18		15	20			8		17
18VE1A0497	25	2	4	24		25		8	22			20		21
18VE1A0498	24	2	4	23		24	1	4	18			4		9
18VE1A0499	25	2	5	24		25	2	2	24			1		2
18VE1A04A0	21	2	3	24	1	22	1	5	18			5		1
18VE1A04A1	25	2	4	25	2	25	2	3	24		2	1		3
18VE1A04A2	25	2		25	2	25	2	4	24		2	3		2
18VE1A04A3	22	2		24	2	24	1	9	22		2	0	2	0
18VE1A04A4	20	2		22	2	24	1	6	19		1	4	1	9
18VE1A04A5	22	2		22		25	1	4	20		18	8	2	3
18VE1A04A6	20	23		24		25	2	1	24		23	3	2:	3
18VE1A04A7	25	25		25		5	23		24		23	3	22	2
18VE1A04A8	24	25		25_	1	5	24		25		22	2	22	2
18VE1A04A9	23	24		24		5	24		25	_	22	2	22	2
18VE1A04B0. 18VE1A04B1	22	24		23		5	17		21		19	)	21	
	22	23		24	2		15		23		19		22	
	23	25		25	2		21	1	24	-	23		23	
	23	21		23	2		17		22		18		23	
	25	25		25	25		23		25		23		23	_
	25	25		5	25		23		24		24		22	-
4.00	25	22		5	25		19		21		21			. 9 3
	20 20	24		4	25		20		23		15			da, T
		23		4.	25		18		19		15		17	_
	25 23	24	2		25		21		24		20		22	
	25	23 24	2		25		17		21		16		19	_
	23	24	2		25		22		2		23		23	
The second secon			2		25 25		14		1		6		19	
18VE1AU4C3  2	25	25	25	5	25	1	18	2	4	1	8	2	22	

PRÍNCIPAL TITUTT ASUTED TECH 39, Beside Indu Aranya, Tattiannaram, Hyderabad-68

HNTO	15201	15202	15203	15204	152AA	152AB	152AC	152AD
/ B) / B	100			_		15	15	15
18VE1A04C		23	23			19	15	20
18VE1A04C		24	24		14	20	15	21
18VE1A04C		25	25	25	22	24	20	23
18VE1A04C		21	22	24	17	22	19	23
18VE1A04C		22	24	23	14	19	14	16
18VE1A04C		21	25	25	16	19	17-	19
18VE1A04D0		24	25	25	15	. 21	17	21
18VE1A04D		25	25	25	24	. 24	24	24
18VE1A04D2		0	0	0	2	3	3	0
18VE1A04D3	_	24	24	25	19	23	19	23
18VE1A04D4		25	24	25	25	25	22	22
18VE1A04D5		25	25	25	22	24	23	21
18VE1A04D6		24	24	25	18	23	21	24
18VE1A04D7		25	24	25	16	23	17	21
18VE1A04D8		20	23	24	14	20	14	20
18VE1A04D9		22	24	24	14	21	15	20
18VE1A04E0		15	23	20	14	18	14	10
18VE1A04E1	24	24	. 24	24	19	24	18	21
18VE1A04E2		25	24	25	19	24	19	23
18VE1A04E3		25	25	25	21	24	22	21
18VE1A04E4		24	25	25	21	20	21	22
18VE1A04E5		24	24	25	19	22	20	22
18VE1A04E6	22	20	25	21	18	20	19	24
18VE1A04E7	22	24	23	22	20	22	19	20
18VE1A04E8	25	25	23	24	21	23	21	23
18VE1A04E9	25	21	24	24	23	21	18	21
	25	25	23	23	19	22	20	21
18VE1A04F1 18VE1A04F2	25	25	24	23	18	23	18	23
18VE1A04F3	24	22	22	24	22	24	22	22
18VE1A04F4	24	22	25	22	17	17	15	23
18VE1A04F4	25	23	23	22	19	19	19	22
18VE1A04F6	25	25	24	23	21	25	20	23
18VE1A04F0	22	20	21	19	16	20	16	19
18VE1A04F7	21	23	24	22	18	20	16	17
18VE1A04F9	21	21	19	18	19	19	14	17
18VE1A04G0	0	20 0	20	18	17	20	14	16
18VE1A04G1	20		0	0	0	3	0	0
18VE1A04G1	25	23	23	23	18	21	20	19
18VE1A04G2		24	22	20	18	19	14	18
18VE1A04G3	24	24	22	20	12	20	14	17
	25	20	23	20	18	19	16	17
		25	24	22	21	23	19	23
		22	23	23	17	18	17	20
Anna de la composición dela composición de la composición dela composición de la composición de la composición de la com		20	22	23	15	17	14	21
10 VE 1AU4G8	25	23	24	22	15	19	14	20

ASurest INCIPAL THE ENGG, & TECH AND JE INCE Aranya, Hannaram, Hyderabad-68

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HNTO		1	15201		15202		15203		15204		152AA	5	CACA	SZAB		52AC	74521
18VE1A04	4GS		5	2	25	2	24		24		22		2	5	1	2	
18VE1A04	1H0	2	4		3		20		22		15		1			3	23
18VE1A04	H1	2	5	2			4		24		24		22			9	20
18VE1A04	H2	7		2			4		23		21		23		1		24
18VE1A04	НЗ	2		2			5		25		24		25		2		24
18VE1A04	H4	2		2		2			23		19		19		1		24
18VE1A04	H5	24		16		2			21		22		21		118		21
18VE1A04	H6	25	5	23		2			2		22	100	23		20		23
18VE1A04	H7	24		2		15		2			17		19				21
18VE1A04		25		23		23		2			22				16	7.8	16
18VE1A04		22		20		24		2			14		24	_	23		23
18VE1A04		25		25		24		2			22	-	20		14		20
18VE1A04J		24		25		24	_	2			21		25		21		22
18VE1A04J		17		21		22		113			20		23	-	20		23
18VE1A04J		25		25		23		23			22		21	-	13		13
18VE1A04J		23		21		21		10			4		24	-	20		21
18VE1A04J		21		22		20		22	_		1		19	+	14		19
18VE1A04J		17		21		24		10			0		21		16		21
18VE1A04J		25		25		21		23			2		24		12	-	19
18VE1A04J8		24		25		23		24		2			23		20		22
18VE1A04J9		25		25		24		25		2			4		19		22
18VE1A04K		25		21		24		19		2			3		17		23
18VE1A04K		1		20		20		17		18			9		4		20
18VE1A04K2	2 2	2		18		20		23		19		2			1		18
18VE1A04K3		3		8		25		25		18		2			8		20
18VE1A04K4	1 2	2		6		24		25		17		1			4		
18VE1A04K5	2	1		8		25		25		20		2			4		22
18VE1A04K6	2	0		4		2		25		11		13			4		7
18VE1A04K7	2	4	2	4		5		25		23		22		2		2	
18VE1A04K8	22	2	2	3		4		25		21		22		1		2	
18VE1A04K9	2	5	2	5	2			25		23	-	24		2		2	
18VE1A04L0	14	1	1:	5	2			0		19		15		14		1	
18VE1A04L1	23	3	2	5	2			5		24		25		20		2	
18VE1A04L2	25	5	24	4	2			5		21		20		20		2	
18VE1A04L3	22	)	25	5	22			4		23		23		20		20	
18VE1A04L4	24		18	3	22		2			1		11		15		16	
18VE1A04L5	15		16	3	22	2	2			7		14		14	77	16	
18VE1A04L6	24		18	3	22	)	2			7		15		16		19	
18VE1A04L7	20		22		24		2			0		9		19		20	02 7
8VE1A04L8	20		24		24		22		2			21		10		13	
8VE1A04L9	23		21		22		23		1			1		16		23	
8VE1A04M0	22		22		22		22		1			7		14		20	
8VE1A04M1	24		25		24		25		2			4		21		22	
8VE1A04M2			24		23		25		2			3		16		21	
	24		24		23		25		2		2			6		19	
				-				_	de	*		1.		0		10	

PRI**ASULES**OF ENGG. & TECH

19, deside indu Aranya,

Tattiannaram, Hyderabad-68

HNTO	15201	15202	15203	15204	152AA	152AB	152AC	152AD
18VE1A04M4	21	21	22	22	13	11	14	19
18VE1A04M5	10	0	20	0	3	5	3	3
18VE1A04M6	19	21	22	25	11	12	14	18
18VE1A04M7	18	23	22	24	16	16	14	12
18VE1A04M8	21	14	20	22	12	9	14	11
18VE1A04M9	25	25	23	25	20	21	20	20
18VE1A04N0	22	22	22	25	13	11	8	12
18VE1A04N1	23	25	24	24	23	23	16	22
18VE1A04N2	25	23	23	25	23	22	17	19
18VE1A04N3	14	20	22	22	19	18	14	14
18VE1A04N4	14	14	22	14	14	12	8	10
18VE1A04N5	25	22	22	25	22	21	16	20
18VE1A04N6	25	22	25	25	22	17	14	21
18VE1A04N7	25	22	25	25	22	23	22	23
18VE1A04N8	14	16	12	24	17	19	14	11
18VE1A04N9	23	22	22	25	22	18	20	21
18VE1A04P0	24	21	23	24	17	18	14	21
18VE1A04P1	25	25	24	25	24	24	22	22
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18VE1A04P3	25	25	25	25	25	25	24	24
18VE1A04P4	23	14	21	22	14	10	14	18
18VE1A04P5	25	25	25	25	25	24	18	23
18VE1A04P6	25	25	22	22	23	22	17	22
18VE1A04P7	25	18	25	25	19	18	14	22
18VE1A04P8	25	25	24	25	24	24	21	23
18VE1A04P9	25	25	25	25	24	25	24	15
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Note: '-1' indicates student is absent for the exam.

PRINCIPAL

The state of the s	SREVAS INC. STEC
Subject Code	Subject Name Panellaguda Tattunngram, Hyderahad 6
15201	ENGINEERING WORKSHOP
152AB	CHEMISTRY
152AA	MATHEMATICS II
15204	BASIC ELECTRICAL ENGINEERING LAB
152AD	ENGLISH
15203	ENGLISH LANGUAGE AND COMMUNICATION SKILLS LAB
15202	ENGINEERING CHEMISTRY LAB
152AC	BASIC ELECTRICAL ENGINEERING

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Signature Of Principal with Date & Office seal

PRINCIPAL

SIEYAS INSTITUTE OF ENGG. & TECH
9-39, Sy. No. 107, Taltiannaram (V),
GSI, Bandlaguda, Nagols, Hyd-68

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Notice Board Copy Issued on: 9 5 t9 Notice Board Copy Hyderabad-68
Removed on: 24/5/19



#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R18 - I Year - II Semester
COMPUTER SCIENCE AND ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.12.14

HNTO	15205	15206	15207	15211	15212	152AA	152AE	152AF	152AG	152AN	152AP
17VE1A05E1	0	8	-1	_	-	0	0	0	0	<u> </u>	-
17VE1A05J5	0	0	0	0	0	0	0	0	0	0	0
18VE1A0501	24	24	90	-	-	16	21	18	14	-	_
18VE1A0502	20	21	84	-	-	16	18	18	12	-	-
18VE1A0503	23	25	86	-	-	21	23	24	23		_
18VE1A0504	25	24	96	-	_	22	25	23	20	-	-
18VE1A0505	21	23	82	-	-	16	19	20	13	_	-
18VE1A0506	23	23	80	-	-	20	18	19	21	-	-
18VE1A0507	25	23	86	-	-	23	25	21	14	-	-
18VE1A0508	21	24	90	-	-	19	22	21	16	_	-
18VE1A0509	20	24	80	-	-	18	16	19	16	-	-
18VE1A0510	20	21	76	-	_	17	17	15	14	-	-
18VE1A0511	22	24	92	-	-	17	21	19	11	_	-
18VE1A0512	25	24	88	-	_	25	25	22	23	-	-
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18VE1A0514	23	24	92	-	-	20	20	18	14	-	_
18VE1A0515	25	24	92	-	-	19	24	23	22	_	_
18VE1A0516	20	20	60	_	-	17	14	15	12	-	_
18VE1A0517	21	23	74	-	-	17	18	19	15	_	_
18VE1A0518	22	19	76	-	-	18	18	15	15	_	-
18VE1A0519	25	25	90	-	_	23	25	23	23	_	-
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18VE1A0544		23	80	-	-		17	17	18	20	-	-
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18VE1A0546		25	98	-	-		23		14	19	-	-
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18VE1A0548		17	90	-	-		9	25	24	20	-	-
18VE1A0549		14	85	-	-		0	10	16	19	-	-
18VE1A0550		18	85	-	-		9	21	18		-	-
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18VE1A0552		14	80	-	-	1		17	14	13	-	-
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18VE1A0554	21	15	85	-	-	1.		19	15	18	-	-
18VE1A0555	25	25	87	_	_	2		25	22	23	-	-
18VE1A0556	24	22	90	-	-	23		25	22	25	-	-
18VE1A0557	25	24	85	-	_	24		25	23	24		-
18VE1A0558	22	23	90	_	-	23		24	24	22	-	-
18VE1A0559	25	24	92	-	-	25		25	24	25	-	1
18VE1A0560	23	20	92	-	_	25		25	22	24	_	-
18VE1A0561	18	16	90	-	_	17		19-	15	13	-	-
18VE1A0562	21	20	90	-	_	18		18	16	12	_	_
18VE1A0563	23	20	90	-	_	23		25	22	22	-	-
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18VE1A0565	18	14	85	-	-	16		19	14	10	-	
18VE1A0566	25	25	87	-	-	25		25	23	25		-
18VE1A0567	21	25	90	_	_	23		23	23	23		-
18VE1A0568	23	25	90	-	_	25		24	23	25	-	-
18VE1A0569	24	16	90	_	-	17		19	17	17	-	-
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18VE1A0577		21	87	-	_	24			20		-	
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18VE1A0580		24	90	_	-	18	22	19	15			
18VE1A0581	25	23	88	_	-	24	23	18	22		-	
18VE1A0582		22	87	_	-	18	20	18	21		-	
18VE1A0583		25	90	_	-	24	24	23	22	-	-	
18VE1A0584		25	88	_		21	23	23	25			
18VE1A0585	24	25	90	-	-	24	25	23	24	_	-	
18VE1A0586		20	89	-	-	16	16	14	14		-	-
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18VE1A0588	23	23	90	-	1	19	21	17	23	-	-	- 8
18VE1A0589	23	24	89		-	24	23	18	22	-	-	-
18VE1A0590	24	25	87	-	-	25	25	23	25		-	-
18VE1A0591	23	25	88	-	-	24	25	22	25	-	-	
18VE1A0592	22	20	85	-	1.	22	23	20	21	-		
18VE1A0593	24	25	90	-	-	23	23	24	25	-	-	
18VE1A0594	22	23	87	-	-	18	20	17	22	_	-	
18VE1A0595	23	24	90	-	_	19	18	14	18	1.		1
18VE1A0596	19	14	60	-	_	16	16	14	19	-	_	1
18VE1A0597	23	24	80	-	-	22	22	19	23	-	-	
18VE1A0598	25	22	90	-	_	24	25	22	25	-	_	
18VE1A0599	25	15	80	-	_	22	23	19	25	-	-	
18VE1A05A0	24	16	90	-	-	19	18	14	23	_	-	
18VE1A05A1	20	16	80	-	-	16	15	14	19	-	-	
8VE1A05A2	14	8	65	-	-	11	16	10	14	-	-	
8VE1A05A3	25	20	75	-	-	20	25	16	19	_	-	
8VE1A05A4	23	15	80	-	-	17	19	14	20	_	-	
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8VE1A05A6	18	15	55	-	-	14	15	17	14	-	-	1
8VE1A05A7	15	14	55	-	-	9	11	10	15	-	-	
8VE1A05A8	24	24	90	-	-	23	23	23	24	-	-	
8VE1A05A9	24	15	80	-	-	21	24	22	21	-	_	
8VE1A05B0	24	20	75	-	-	22	25	23	24	-	-	
8VE1A05B1	25	20	90	-	-	23	23	20	24		-	
8VE1A05B2	24	19	90	-	-	22	24	18	21	-	-	
8VE1A05B3	25	23	58	-	-	23	24	21	23	-	-	
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8VE1A05B6	20	14	75	-	-	18	15	14RE	16	STITL	FINE	Mostro
8VE1A05B7	18	14	65	-	-	21	21	17	20	J8, B	_	du Aranya,
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HNTO	15205	15206	15207	15211	15212	152AA	152AE	52AF	152AG	152AN	52AP	
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18VE1A05C8		19	85	-	-	21	23		20		-	
18VE1A05C9		25	85	-	-	23	22	19	24		-	-
18VE1A05D0		25	90	-	-	25	25	24			-	
18VE1A05D1	-	13	80	-	-	16	19	14	25		-	-
18VE1A05D2		16	75	-	-	16	17	16	17		-	-
18VE1A05D4		21	85	-	-	23	23	20	17	-	-	-
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18VE1A05D6		23	85	-	-	21	24			-	-	-
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18VE1A05D8	_	19	65	-	-	18	15	15	21	-	-	
18VE1A05D9	_	25	85	_	-	24	25	21	22	-	-	-
8VE1A05E0		18	75	-	-	24	22	17	23	-	-	-
8VE1A05E1	20	18	60	-	-	19	16	17	21	-	-	-
8VE1A05E2	23	20	85	-	-	25	24	23	25	-	-	-
8VE1A05E3	20	15	80	-	-	20	18	14	23	-	-	-
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18VE1A05M5	23	24	80	_	-	20	19	21	22	-	-
18VE1A05M6	25	25	76	-	-	17	19	22	21	_	_
18VE1A05M7	25	25	90	-	-	22	22	23	23	-	_
18VE1A05M8	23	25	84	-	-	23	23	23	22	-	_
18VE1A05M9	22	20	86	-	-	12	14	15	13	_	_
18VE1A05N0	25	24	96	-	-	22	23	22	17	-	-
18VE1A05N1	24	24	82	-	-	23	16	20	20	-	-
18VE1A05N2	23	22	80		-	19	11	15	11	_	-
18VE1A05N3	21	24	84	-	-	15	16	17	11	_	-
18VE1A05N4	22	24	90	-	_	21	21	19	19	-	_
18VE1A05N5	25	25	86	-	_	25	25	24	23	-	-
18VE1A05N6	22	23	82	-	-	18	15	19	16	_	_
18VE1A05N7	24	25	72	-	-	22	22	23	13	-	_
18VE1A05N8	21	20	72	-	-	18	15	15	17	_	-
18VE1A05N9	22	23	78	~	-	22	21	22	21	-	-
18VE1A05P0	23	25	80	-	-	22	23	23	20	-	-
18VE1A05P1	19	19	76	-	-	12	15	13	8	-	-
18VE1A05P2	20	19	70	-	-	12	16	14	9	_	-
8VE1A05P3	18	19	70	-	_	11	14	13	9	-	-
8VE1A05P4	18	19	86	-	-	14	17	15	10	-	-
8VE1A05P5	20	19	84	-	-	12	12	16	10	-	_
8VE1A05P6	22	23	90	-	-	22	17	18	19	-	-
8VE1A05P7	18	21	88	-	-	18	14	15	12	-	-
8VE1A05P8	21	21	70	-	-	18	14	14	17	_	_
8VE1A05P9	14	20	86	-	-	17	11	12	10	-	-
8VE1A05Q0	24	25	84	-	-	21	22	22	22	-	-
	521 7	490 0	197 90	0	0	465 0	474 6	441	466 0	0	0

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

Subject Code	Subject Name SREYNS MISTRITION IN ANALYSIS CHEMISTRY  Bandlaguda, Tattiannaram, Hyderal
152AN	CHEMISTRY Randlaguda, Tattiannaratii, 1.0
15212	BASIC ELECTRICAL ENGINEERING LAB
152AA	MATHEMATICS II
15211	ENGINEERING CHEMISTRY LAB
152AP	BASIC ELECTRICAL ENGINEERING
152AF	PROGRAMMING FOR PROBLEM SOLVING
15205	APPLIED PHYSICS LAB
152AE	APPLIED PHYSICS
15207	ENVIRONMENTAL SCIENCE

Notice Board Copy Issued on: 9)519

Notice Board Copy Removed on: w/S/19

152AG	ENGINEERING GRAPHICS
15206	PROGRAMMING FOR PROBLEM SOLVING

Signature Of Principal with Date & Office seal

HARLE

SPEYAS INSTITUTE OF EHGG. & TECH 9-39, Sy. No. 107, Teltishnaram (V), GSI, Bandlaguda, Nagole, Hyd-esi

Notice Board Copy Issued on: 9/519 Notice Control Copy Remines on: 24 (S)

PRINCIPALES

PRINCIPALES

SREYAS INSTITUTE OF ENGG. & TECH
D.No. 9-59, Beside Indu Aranya,
Bandlaguda, Tattiannaram, Hyderabad-68



### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R16 - II Year - II Semester
CIVIL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.12.58

	HNTO		13418	13420		13437		13441		134AG		134AZ		34BA	i	3400		134CF	1
	16VE1A010	05 1	7	20		14		74		16		16	_	11		15	_	_	-
	16VE1A010	07 0		0		0		75		0	-	3		0		0	)	15	1
	17VE1A010	1 2	0	25		20		85		21		18		17		18	1	0	_
	17VE1A010	2 2	2	25		18		81		20		17	1	18		19		18	_
	17VE1A010	3 2	1	25		19		89		18		19		17		17		21	_
	17VE1A010		00	23		20		85		18		20		16		17		18	_
	17VE1A010		8	23		16		87		20		20		14		16		16	_
-	17VE1A010		9	20		16		82		14		15		12		9		15	-
	17VE1A010		1	25	12	21	8	33		22		23		22		22		23	-
	17VE1A010		2	23	2	23	8	34		20	-	19		17		19		19	-
- 1	17VE1A011		3	21	1	8	8	37	1	17		19		4		16		17	
	7VE1A011		1	22	1	6	8	35	1	6		16		5		15		16	_
	7VE1A0112		2	21	1	7	8	86	1	7		14		5		17	-10	15	
	7VE1A0114			17	1	5	8	4	9	)	1	7	4			5		8	
	7VE1A0115	_	2	24	2	3	8	5	2	1	2	24	2	2		23		23	
	7VE1A0116		C		0		8	2	0		3	3	0		(	23		0	
	7VE1A0117		2	5_	2	2	8	1	2	1	2	2	2	0	2	20	_	21	1
	7VE1A0118			4	2	0	8	7	2	2	2	1	1	7	1	8		19	
	7VE1A0119			3	20	0	8	7	2	1	2	1	1	6	1	6		19	
	7VE1A0121	16		88	15	5	88	8	1:	5	1	4.	1	5	1	5		6	
	7VE1A0122	16	1		14	1	88	3	18	3	1	0	15	5	1	5		6	1
	VE1A0123	24	2		23	3	88	3	2	1	2	2	2	1	2	1		2	1
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	VE1A0126	22	23		21		81		20	)	22	2	20	)	1	7	7	0	
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	VE1A0128	20	22	2	22		82		19		19	)	12		15	5	-		ľ
	VE1A0129	17	22	2	20		80		17		16	3	13	SF	17	SN	1	539,	i
	VE1A0131	20	23		21	- 1	80		16		19		13	B	18	Blag	udi:	y, Ta	ti
	VE1A0134	23	24		19	8	87	2	23		23		22		22	)	22	2	
	VE1A0135	18	19		14	8	32		15		13		11		14		15		
17	VE1A0136	24	25		22	8	37	2	21	-	21		18		22		20		
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MCIP A SUPERING SERVICE OF ENGG. & 1. 12 Beside indu Aranya, tiannaram, Hyderabad-68

HNTO	13418	13420	13437	13441	134AG	134AZ	134BA	134CD	134CE
17VE1A0137	23	24	23	81	20	23	19	23	21
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17VE1A0139	23	24	23	89	23	21	21	22	22
17VE1A0141	22	24	21	82	17	19	15	16	17
17VE1A0142	21	24	22	81	21	19	17	22	22
17VE1A0145	24	25	23	82	23	24	22	22	24
17VE1A0146	24	25	24	85	21	24	22	22	24
17VE1A0148	0	19	14	86	16	10	13	14	12
17VE1A0149	18	20	14	87	15	13	14	8	15
17VE1A0151	19	19	16	84	13	15	14	18	15
17VE1A0154	16	15	14	85	17	14	9	13	14
17VE1A0155	24	22	22	86	23	23	16	19	19
17VE1A0156	22	23	15	87	19	19	16	20	19
17VE1A0158	22	18	17	85	19	18	18	19	20
17VE1A0159	20	18	16	85	16	11	12	9	16
17VE1A0160	16	19	14	85	15	18	12	11	15
18VE5A0101	22	25	22	81	18	20	18	22	20
18VE5A0102	22	24	20	86	20	22	18	22	20
18VE5A0103	21	23	20	85	22	22	14	21	18
18VE5A0104	22	23	21	81	22	21	17	22	18
18VE5A0105	20	23	20	82	19	19	15	18	17
18VE5A0106	21	24	19	85	20	17	18	21	21
18VE5A0107	0	0	0	84	0	3	0	0	0
18VE5A0108	23	23	22	85	21	21	16	18	17
8VE5A0110	0	0	13	85	9	10	8	9	9
8VE5A0111	20	24	22	86	21	22	18	21	19
8VE5A0112	22	22	19	87	21	20	17	20	18
otal:59	107 9	120 9	105	497	101	101	876	949	989

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

Subject Code	D.No. 9-39, Beside Indu Aranya  Subject Name Bandlaguda, Tattiannaram, Hyderab
134AZ	ENGINEERING GEOLOGY
134AG	BUSINESS ECONOMICS AND FINANCIAL ANALYSIS
13418	ENGINEERING GEOLOGY LAB
13441	ENVIRONMENTAL SCIENCE AND TECHNOLOGY
134CD	STRENGTH OF MATERIAL II
13420	FLUID MECHANICS LAB
134BA	FLUID MECHANICS II
3437	SURVEYING II LAB
Notice Board Copy	STRUCTURAL ANALYSIS
Issued on: 9/5/19	Notice Board Copy

Notice Board Copy Removed on: 24 5 19

Signature Of Principal with Date & Office seal

SHEYAS INSTITUTE OF ENGG. 5 TECH 9-39, Sy. No. 107, Tattishnaism (V). GSI, Bandlaguda, Nagole, Hyd-68

Notice Board Copy Issued on: 9 () 19 Notice Board Copy Removed on: 94 5 19

PRINCIPAL

REYAS TO THE OF ENGG. & TECH

D.No. 9-35, Sustate Indu Arenya,

D.No. 9-35, Sustate Indu Arenya,

Parellaguda, Tattannaram, Hyderabad-68



## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE)

B.Tech - R16 - II Year - II Semester

MECHANICAL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.12.47

HNTO	13419	13422	3424	3441	34AG	34AU	34BC	tBJ	134BK
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15VE1A0373	0	0	0	-1	0	0	0	0	0
16VE1A0350	0	12	0	-1	3	0	0	0	0
16VE1A0366	0	0	0	-1	4	0	7	0	4
16VE1A0371	0	0	0	-1	0	0	0	0	0
17VE1A0301	20	23	18	80	15	13	14	14	14
17VE1A0302	20	19	16	82	15	14	14	19	14
17VE1A0303	22	24	23	90	18	18	21	19	19
17VE1A0304	22	22	21	90	17	13	10	20	7
17VE1A0305	19	22	22	79	15	13	12	20	14
17VE1A0306	17	23	17	75	16	14	15	14	16
17VE1A0307	20	21	20	75	15	14	15	10	19
17VE1A0308	24	25	24	95	21	21	22	22	23
17VE1A0309	24	23	24	95	21	20	23	24	21
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17VE1A0323	18	22	19	82	21	17	18	19	18
17VE1A0324	24	25	24	93	21	21	22	23	20
17VE1A0325	24	22	23	89	19	14	21	19	21
17VE1A0326	21	23	22	82	18	14	185	16	19
17VE1A0327	20	23	15	78	13	14	17	14	16
Calebratica III	24	24	23	94	16	20	21	22	19
	15	13	16	75	15	10	7	18	9
	24	25	22	90	21	19	19	23	20

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HNTO		13419	13422	0746	13424		13441		34AG	13411	0440	0 40	34BC	134R1		134BK
17VE1A03	32 (	).	0		0		1	0		5	_	1			-	
17VE1A03		21	23	3	17	8			7	14	1	0		8		0
17VE1A03		8	20		17		8		6			1		22	7	16
17VE1A03		4	25		23	9		2		14		10		22		13
17VE1A03		0	19		17	8		1		18		2		23		20
17VE1A03		0	23		21	80		18		14		14		10		16
17VE1A033			22		24	92				14		18		22		17
17VE1A033			13		22	81		18		18	4	22		22		20
17VE1A034			23		22	86				14		17		19		17
17VE1A034			22		20	78		15		18		20		20		19
17VE1A034			20		2	91			_	14		18		18		15
17VE1A034			18		5	80	-	19		17		19		20		16
17VE1A034			20		2			8		7		2_		11		4
17VE1A034			20	1		80		15		14		15		5		16
17VE1A034			18	1		78 75		15		14		15		20		15
17VE1A035			21	18				14		7		2		4		0
17VE1A035			23	23		80		15		12		5		1		4
17VE1A0352			20	19		88		17		4		6	2			5
17VE1A0353			17	20		78 89		15		4		7	9			3
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17VE1A0355			25	22	-	93		20 21		5	1		1:		11	
17VE1A0356			5	16		73		7		9	2		2		2	
17VE1A0357			9	16		70		5	1	4	1:		14		17	
17VE1A0358	_		7	16		70		7	1		6	2	15		1	
17VE1A0360	15	2		16		72	1	7	11		12	)	14		11	_
17VE1A0362	25	2		24		95	2		20		23		14		7	
17VE1A0363	14	2		17		70	1		1		12		11		13	-
7VE1A0364	14	2	1	16		72	1		14		15		14			
7VE1A0366	17	20	)	15		30	1		15		14		14		15	
7VE1A0368	18	22		15		73	1		14		17		16		13	
7VE1A0369	24	23	3	22		92	2		19		23		23		14 21	-
7VE1A0370	22	20	)	23		35	17		16		18		19		14	
7VE1A0372	25	25	,	23		)1	20		21		22		25		22	
7VE1A0373	14	21		15		8	17		15	-	16		11		16	
7VE1A0374	19	21		17		1	17		15		15		16		15	
7VE1A0375	23	25		18		6	18		18		18	9	16		18	-30,
7VE1A0376	16	23		16		2	16		15		16		18	1 - 1	15	Te
7VE1A0377	20	16		17	8		18		10		12		18	_	13	$\neg$
VE1A0378	0	0		)	-1		10		4		7		9		3	
VE1A0379	18	19	_	16	7		18		15		12		10		3	-
VE1A0381	21	23		18	80		17		18		14		16		5	
VE1A0383	22	0	0		80		7		10		7		10	7		
VE1A0385	23	22		22	90		17		20		9		16		8	
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VE1A0386	18	22	1	23	81		16		14	1.7	4	1.50	20	11	5	

RINCIPAL THE OF ENGG, & TECH IS, Basico Indu Aranya, attannaram, Hyderabad-68

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HNTO	13419	13422	13424	13441	134AG	134AU	134BC	134BJ	134BK
		_			_	5	5	5	13
17VE1A0388		23	18	85	18	12	18	14	13
17VE1A0389		16	. 20	80	16	11	16	10	15
17VE1A0390	19	23	16	80	18	14	14	15	44
17VE1A0391	23	23	20	90	18	16	15	19	16
17VE1A0392		19	18	81	16	17	16	14	15
17VE1A0393		24	23	93	21	22	22	-25	23
17VE1A0394	25	25	24	95	22	21	22	24	23
17VE1A0396	15	17	16	75	17	14	14	11	13
17VE1A0397	16	20	20	78	18	17	17	20	15
17VE1A0398		18	15	75	17	13	12	14	11
17VE1A0399	21	22	24	86	16	17	18	21	17
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17VE1A03A2	16	22	17	77	18	15	14	16	15
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17VE1A03A5	18	18	17	82	15	17	13	19	13
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18VE5A0303	20	23	19	79	16	14	16	20	17
18VE5A0304	21	21	20	80	16	13	17	19	15
18VE5A0305	23	19	22	83	19	14	17	21	17
18VE5A0306	23	19	23	82	15	14	16	20	16
18VE5A0307	24	23	24	91	16	18	21	19	18
18VE5A0308	23	19	23	90	17	17	19	18	19
18VE5A0309	23	18	22	88	21	20	20	24	20
18VE5A0310	22	20	18	85	19	14	17	24	16
18VE5A0311	22	20	17	82	16	14	17	20	14
18VE5A0312	20	17	21	80	18	15	17	21	17
18VE5A0313	20	19	19	81	15	12	14	21	12
18VE5A0314	23	21	18	89	18	15	17	22	16
8VE5A0315	22	21	20	82	16	14	17	22	18
8VE5A0316	22	21	22	88	17	14.	18	21	15
8VE5A0317	19	20	19	78	16	13	15	22	16
8VE5A0318	21	19	20	80	15	14	17	23	17
8VE5A0319	21	20	21	82	15	18	16	20	18
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8VE5A0321	19	24	16	81	16	15	14	20	14
8VE5A0322	17	22	22	78	16	18	8	23	18
8VE5A0323	24	25	24	92	21	20	20	24	20
8VE5A0324	0	0	0	-1	0	5	0*	9	0
8VE5A0325	20	24	21	89	20	16	17	180	20
8VE5A0326	21	20	20	91	20	16	19	22	17
8VE5A0327	23	18	17	88	20	15	14	14	18
	22	25	21	90	21	17	19.	19	18
			4			- 1	1.0	1.0	10

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HNTO	13419	13422	13424	13441	134AG	134AU	134BC	134BJ	134BK
18VE5A0329	19	20	22	81	21	15	16	22	16
18VE5A0330	15	22	22	78	20	15 *	15	17	19
18VE5A0331	24	25	24	94	20	19	22	25	22
18VE5A0332	21	17	19	82	16	17	15	15	16
18VE5A0333	21	24	22	85	16	17	13	23	19
Total:127	244 8	252 2	236 1	100	210	186	199	224	198

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

Subject Code	Subject Name
13419	FLUID MECHANICS AND HYDRAULIC MACHINES LAB
134BJ	MACHINE DRAWING
134BK	MANUFACTURING PROCESS
134AG	BUSINESS ECONOMIC AND FINANCIAL ANALYSIS
13441	ENVIRONMENTAL SCIENCE AND TECHNOLOGY
13422	KINEMATICS AND DYNAMICS LAB
134BC	FLUID MECHANICS AND HYDRAULIC MACHINES
134AU	DYNAMICS OF MACHINERY
13424	MANUFACTURING PROCESS LAB

Signature Of Principal with Date & Office seal

House

SREYAS INSTITUTE OF ENGO. 3 TECH 9-39, Sy. No. 107, Taltiannarum (V). GSI, Bandlaguda, Magule, Hyd-68

Notice Board Copy Issued on: 9 5 Notice Board Copy am, Hyderabad-68
Removed on: 24 5 10



#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R16 - II Year - II Semester
ELECTRONICS AND COMMUNICATION ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-10 10.18.01

HNTO	13402	13403	13436	13440	134AC	134AG	134AM	134CC	134CF
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16VE1A0417	0	2	0	82	0	0	3	3	0
176Y1A0444	25	24	25	89	24	19	23	23	18
17VE1A0401	25	24	25	84	24	20	21	23	18
17VE1A0402	25	23	25	87	25	21	22	22	20
17VE1A0403	24	23	24	89	24	23	23	21	22
17VE1A0404	24	24	24	85	24	22	23	23	20
17VE1A0405	24	23	22	86	19	23	17	19	16
17VE1A0407	24	24	24	87	24	21	22	20	20
17VE1A0408	24	23	23	89	21	18	17	18	17
17VE1A0409	23	21	22	88	20	19	18	20	15
17VE1A0410	25	24	25	88	24	23	25	23	22
17VE1A0411	24	24	24	85	24	22	24	24	22
17VE1A0412	23	21	22	86	24	19	23	22	19
17VE1A0413	25	24	25	86	22	22	24	20	19
17VE1A0414	22	21	21	81	20	14	18	15	15
17VE1A0415	25	24	25	79	25	24	24	25	24
17VE1A0416	23	22	23	85	24	20	22	19	20
17VE1A0417	24	24	24	86	24	21	21	21	16
17VE1A0418	24	25	24	85	23	24	23	23	21
17VE1A0419	24	23	25	90	25	20	24	23	21
17VE1A0420	23	24	24	86	23	22	21	22	18
17VE1A0421	24	24	24	85	25	21	22	24	20
17VE1A0422	24	23	23	80	24	18	22	22	22
17VE1A0423	24	24	24	84	23	16	22	22	17
17VE1A0424	24	24	23	81	21	21	18	18	17
17VE1A0425	24	23	22	82	19	21	19	19	18
17VE1A0426	23	21	23	87	17	18	18	19	19
17VE1A0427	24	22	24	89	23	21	24RE	22	23
17VE1A0428	24	21	24	87	23	18	19	22	15 ma
17VE1A0429	24	21	23	85	23	20	20	21	21
17VE1A0430	24	21	21	82	22	18	20	19	19

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17VE1A0431	HNTO	13400	13403	13436	13440		134AC	134014	3400	134CF
17VE1A0432	17VE1A043	31 22							-	
17VE1A0433   25	17VE1A043	2 24	1 21							
17VE1A0436   22   21   21   87   21   13   14   16   16   17   17VE1A0436   24   23   24   83   23   21   20   23   20   17VE1A0437   25   23   23   87   24   23   20   23   19   17VE1A0438   23   21   23   84   22   27   18   19   18   17VE1A0439   24   24   24   85   25   23   24   24   23   17VE1A0440   23   23   23   85   21   17   16   16   17   17VE1A0441   24   23   24   25   85   23   20   22   23   22   17VE1A0442   23   24   23   86   25   22   22   24   23   17VE1A0442   23   24   23   86   25   22   22   24   23   17VE1A0442   23   24   23   86   25   22   22   24   23   17VE1A0444   25   24   25   89   25   25   24   25   24   17VE1A0444   25   24   25   89   25   25   24   25   24   17VE1A0445   24   23   23   87   23   19   19   24   20   17VE1A0446   23   21   23   37   23   21   18   20   20   17VE1A0449   24   21   23   73   23   21   18   20   20   17VE1A0449   23   21   21   79   22   17   16   18   15   17VE1A0445   24   24   24   84   20   19   21   22   19   17VE1A0450   23   20   23   87   22   20   21   21   17   17VE1A0450   23   20   23   87   22   20   21   21   17   17VE1A0450   25   23   25   84   24   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   24   25   25	17VE1A043	3 25								20
17VE1A0435	17VE1A043									
17VE1A0436	17VE1A043									
17VE1A0437	17VE1A043	6 24	23							
17VE1A0438	17VE1A043									
17VE1A0439	17VE1A043						-	41		
17VE1A0440										
17VE1A0441										
17VE1A0442										
17VE1A0443										
17VE1A0444	17VE1A0443									
17VE1A0445	17VE1A0444									
17VE1A0446	17VE1A0445									
17VE1A0447         24         21         23         73         23         21         18         20         20           17VE1A0448         25         24         24         84         20         19         21         22         19           17VE1A0449         23         21         21         79         22         17         16         18         15           17VE1A0450         23         20         23         87         22         20         21         21         17           17VE1A0451         25         23         25         84         24         21         22         23         20           17VE1A0452         24         24         24         85         25         22         21         23         22           17VE1A0453         25         24         25         86         25         24         24         25         24         24         25         24         24         25         24         25         25         26         23         23         20         22         17         17VE1A0455         24         23         23         86         20         18         20         23 <td>17VE1A0446</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	17VE1A0446									
17VE1A0448   25	17VE1A0447									
17VE1A0449   23   21   21   79   22   17   16   18   15   17VE1A0450   23   20   23   87   22   20   21   21   17   17   17   17   18   17   17   1	17VE1A0448									
17VE1A0450   23   20   23   87   22   20   21   21   17     17VE1A0451   25   23   25   84   24   21   22   23   20     17VE1A0452   24   24   24   85   25   22   21   23   22     17VE1A0453   25   24   25   86   25   24   24   25   24     17VE1A0454   22   25   25   86   23   23   20   22   17     17VE1A0455   24   23   23   86   20   18   20   23   21     17VE1A0456   25   23   23   86   20   18   20   23   21     17VE1A0457   25   23   24   85   25   23   21   24   21     17VE1A0458   23   23   24   85   25   23   21   24   21     17VE1A0459   25   23   24   85   25   23   21   24   21     17VE1A0460   22   22   22   85   21   18   17   21   16     17VE1A0461   23   23   25   84   24   19   23   23   20     17VE1A0463   21   21   17   81   14   14   17   17   12     17VE1A0464   21   22   17   82   19   20   20   17   18     17VE1A0466   20   21   19   86   16   17   17   16   11     17VE1A0467   20   22   19   85   17   15   19   18   15     17VE1A0470   22   22   20   82   22   21   20   19   18     17VE1A0471   25   24   25   80   19   21   21   20   16     17VE1A0473   24   21   25   86   17   18   22   18   14     17VE1A0474   23   22   25   87   16   19   18   19   15     17VE1A0475   24   21   25   86   17   18   22   18   14     17VE1A0477   24   21   25   86   17   18   22   18   14     17VE1A0477   24   21   25   86   17   18   22   18   14     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE1A0477   24   21   25   87   16   19   18   19   15     17VE	17VE1A0449									
17VE1A0451   25   23   25   84   24   21   22   23   20   17VE1A0452   24   24   25   86   25   24   24   25   24   17VE1A0453   25   24   25   86   25   24   24   25   24   17VE1A0454   22   25   25   86   23   23   20   22   17   17VE1A0455   24   23   23   86   20   18   20   23   21   17VE1A0456   25   23   23   86   24   23   22   22   21   17VE1A0457   25   23   24   85   25   23   21   24   21   17VE1A0458   23   23   21   85   21   18   17   21   16   17VE1A0459   25   23   25   84   24   19   23   23   20   17VE1A0460   22   22   22   85   21   16   21   22   20   17VE1A0461   23   23   25   85   16   21   20   23   14   17VE1A0462   25   24   25   88   23   23   23   22   17   17VE1A0463   21   21   17   81   14   14   17   17   12   17VE1A0464   21   22   17   82   19   20   20   17   18   17VE1A0466   21   22   25   87   16   19   17   17   12   17VE1A0468   22   21   20   82   22   21   20   19   18   15   17VE1A0467   20   22   19   85   17   15   19   18   15   17VE1A0467   22   21   20   82   22   21   20   16   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   12   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   18   22   18   14   14   17   17   15   17VE1A0473   24   21   25   86   17   16   21   18   14   14   17   17   17   17   17   17	17VE1A0450									
17VE1A0452         24         24         24         85         25         22         21         23         22           17VE1A0453         25         24         25         86         25         24         24         25         24           17VE1A0454         22         25         25         86         23         23         20         22         17           17VE1A0455         24         23         23         86         20         18         20         23         21           17VE1A0456         25         23         23         86         24         23         22         22         21           17VE1A0457         25         23         24         85         25         23         21         24         21           17VE1A0458         23         23         25         84         24         19         23         23         20           17VE1A0469         25         23         25         84         24         19         23         23         20           17VE1A0460         22         22         22         85         21         16         21         22         20	17VE1A0451									
17VE1A0453         25         24         25         86         25         24         25         24           17VE1A0454         22         25         25         86         23         23         20         22         17           17VE1A0455         24         23         23         86         20         18         20         23         21           17VE1A0456         25         23         23         86         24         23         22         22         21           17VE1A0457         25         23         24         85         25         23         21         24         21           17VE1A0458         23         23         21         85         21         18         17         21         16           17VE1A0459         25         23         25         84         24         19         23         23         20           17VE1A0460         22         22         22         85         21         16         21         22         20           17VE1A0462         25         24         25         88         23         23         23         22         17	17VE1A0452	24				1				
17VE1A0454         22         25         25         86         23         23         20         22         17           17VE1A0455         24         23         23         86         20         18         20         23         21           17VE1A0456         25         23         23         86         24         23         22         22         21           17VE1A0457         25         23         24         85         25         23         21         24         21           17VE1A0458         23         23         21         85         21         18         17         21         16           17VE1A0459         25         23         25         84         24         19         23         23         20           17VE1A0460         22         22         22         85         21         16         21         22         20           17VE1A0461         23         23         25         85         16         21         22         20           17VE1A0462         25         24         25         88         23         23         23         22         17	17VE1A0453	25	24							
17VE1A0455         24         23         23         86         20         18         20         23         21           17VE1A0456         25         23         23         86         24         23         22         22         21           17VE1A0457         25         23         24         85         25         23         21         24         21           17VE1A0458         23         23         21         85         21         18         17         21         16           17VE1A0459         25         23         25         84         24         19         23         23         20           17VE1A0460         22         22         22         85         21         16         21         22         20           17VE1A0461         23         23         25         85         16         21         20         23         14           17VE1A0462         25         24         25         88         23         23         22         17           17VE1A0463         21         21         17         82         19         20         20         17         18	17VE1A0454	22	25	25	86					
17VE1A0456         25         23         23         86         24         23         22         22         21           17VE1A0457         25         23         24         85         25         23         21         24         21           17VE1A0458         23         23         21         85         21         18         17         21         16           17VE1A0459         25         23         25         84         24         19         23         23         20           17VE1A0460         22         22         22         85         21         16         21         22         20           17VE1A0461         23         23         25         85         16         21         22         20           17VE1A0462         25         24         25         88         23         23         22         17           17VE1A0463         21         21         17         81         14         14         17         17         12           17VE1A0465         20         21         19         86         16         17         17         16         11           17VE1A0466	17VE1A0455	24	23	23	86					
17VE1A0457         25         23         24         85         25         23         21         24         21           17VE1A0458         23         23         21         85         21         18         17         21         16           17VE1A0459         25         23         25         84         24         19         23         23         20           17VE1A0460         22         22         22         85         21         16         21         22         20           17VE1A0461         23         23         25         85         16         21         20         23         14           17VE1A0462         25         24         25         88         23         23         22         17           17VE1A0463         21         21         17         81         14         14         17         17         12           17VE1A0465         20         21         19         86         16         17         17         16         11           17VE1A0466         21         22         25         87         16         19         17         17         12	17VE1A0456	25	23	23	86					
17VE1A0458       23       23       21       85       21       18       17       21       16         17VE1A0459       25       23       25       84       24       19       23       23       20         17VE1A0460       22       22       22       85       21       16       21       22       20         17VE1A0461       23       23       25       85       16       21       20       23       14         17VE1A0462       25       24       25       88       23       23       22       17         17VE1A0463       21       21       17       81       14       14       17       17       12         17VE1A0464       21       22       17       82       19       20       20       17       18         17VE1A0465       20       21       19       86       16       17       17       16       11         17VE1A0466       21       22       25       87       16       19       17       17       12         17VE1A0470       22       22       20       82       22       21       20       19	17VE1A0457	25	23	24	85	25				
17VE1A0459       25       23       25       84       24       19       23       23       20         17VE1A0460       22       22       22       85       21       16       21       22       20         17VE1A0461       23       23       25       85       16       21       20       23       14         17VE1A0462       25       24       25       88       23       23       23       22       17         17VE1A0463       21       21       17       81       14       14       17       17       12         17VE1A0464       21       22       17       82       19       20       20       17       18         17VE1A0465       20       21       19       86       16       17       17       16       11         17VE1A0466       21       22       25       87       16       19       17       17       12         17VE1A0468       22       21       20       82       22       21       20       19       18         17VE1A0470       22       22       20       82       16       18       21 <t< td=""><td>17VE1A0458</td><td>23</td><td>23</td><td>21</td><td>85</td><td>21</td><td>18</td><td>17</td><td></td><td></td></t<>	17VE1A0458	23	23	21	85	21	18	17		
17VE1A0460       22       22       22       85       21       16       21       22       20         17VE1A0461       23       23       25       85       16       21       20       23       14         17VE1A0462       25       24       25       88       23       23       23       22       17         17VE1A0463       21       21       17       81       14       14       17       17       12         17VE1A0463       21       22       17       82       19       20       20       17       18         17VE1A0464       21       22       17       82       19       20       20       17       18         17VE1A0465       20       21       19       86       16       17       17       16       11         17VE1A0466       21       22       25       87       16       19       17       17       12         17VE1A0468       22       21       20       82       22       21       20       19       18         17VE1A0471       25       24       25       80       19       21       21	17VE1A0459	25	23	25	84	24	19	23		
17VE1A0461       23       23       25       85       16       21       20       23       14         17VE1A0462       25       24       25       88       23       23       22       17         17VE1A0463       21       21       17       81       14       14       17       17       12         17VE1A0464       21       22       17       82       19       20       20       17       18         17VE1A0465       20       21       19       86       16       17       17       16       11         17VE1A0466       21       22       25       87       16       19       17       17       12         17VE1A0467       20       22       19       85       17       15       19       18       15         17VE1A0470       22       21       20       82       22       21       20       19       18         17VE1A0471       25       24       25       80       19       21       21       20       16         17VE1A0473       24       21       25       86       17       18       19       19	17VE1A0460	22	22	22	85	21	16			
17VE1A0462       25       24       25       88       23       23       23       22       17         17VE1A0463       21       21       17       81       14       14       17       17       12         17VE1A0464       21       22       17       82       19       20       20       17       18         17VE1A0465       20       21       19       86       16       17       17       16       11         17VE1A0466       21       22       25       87       16       19       17       17       12         17VE1A0467       20       22       19       85       17       15       19       18       15         17VE1A0468       22       21       20       82       22       21       20       19       18         17VE1A0470       22       22       20       82       16       18       21       21       15         17VE1A0471       25       24       25       80       19       21       21       20       16         17VE1A0473       24       21       25       86       17       18       22		23	23	25	85	16	21-			
17VE1A0463       21       21       17       81       14       14       17       17       12         17VE1A0464       21       22       17       82       19       20       20       17       18         17VE1A0465       20       21       19       86       16       17       17       16       11         17VE1A0466       21       22       25       87       16       19       17       17       12         17VE1A0467       20       22       19       85       17       15       19       18       15         17VE1A0468       22       21       20       82       22       21       20       19       18         17VE1A0470       22       22       20       82       16       18       21       21       15         17VE1A0471       25       24       25       80       19       21       21       20       16         17VE1A0473       24       21       25       86       17       18       22       18       14         17VE1A0475       24       21       25       87       16       19       18		25	24	25	88	23	23	23		
17VE1A0464     21     22     17     82     19     20     20     17     18       17VE1A0465     20     21     19     86     16     17     17     16     11       17VE1A0466     21     22     25     87     16     19     17     17     12       17VE1A0467     20     22     19     85     17     15     19     18     15       17VE1A0468     22     21     20     82     22     21     20     19     18       17VE1A0470     22     22     20     82     16     18     21     21     15       17VE1A0471     25     24     25     80     19     21     21     20     16       17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0475     24     21     25     82     17     16     21     18     14			21	17	81	14	14	17		
17VE1A0465     20     21     19     86     16     17     17     16     11       17VE1A0466     21     22     25     87     16     19     17     17     12       17VE1A0467     20     22     19     85     17     15     19     18     15       17VE1A0468     22     21     20     82     22     21     20     19     18       17VE1A0470     22     22     20     82     16     18     21     21     15       17VE1A0471     25     24     25     80     19     21     21     20     16       17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0475     24     21     25     87     16     19     18     19     15       17VE1A0475     24     21     25     82     17     16     21     18     14		21	22	17	82	19	20	20		
17VE1A0466     21     22     25     87     16     19     17     17     12       17VE1A0467     20     22     19     85     17     15     19     18     15       17VE1A0468     22     21     20     82     22     21     20     19     18       17VE1A0470     22     22     20     82     16     18     21     21     15       17VE1A0471     25     24     25     80     19     21     21     20     16       17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0475     24     21     25     82     17     16     21     18     14		20		19	86	16	17		16	
17VE1A0467     20     22     19     85     17     15     19     18     15       17VE1A0468     22     21     20     82     22     21     20     19     18       17VE1A0470     22     22     20     82     16     18     21     21     15       17VE1A0471     25     24     25     80     19     21     21     20     16       17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0475     24     21     25     87     16     19     18     19     15       17VE1A0475     24     21     25     82     17     16     21     18     14	17VE1A0466	21	22	25	87	16	19			
17VE1A0468     22     21     20     82     22     21     20     19     18       17VE1A0470     22     22     20     82     16     18     21     21     15       17VE1A0471     25     24     25     80     19     21     21     20     16       17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0474     23     22     25     87     16     19     18     19     15       17VE1A0475     24     21     25     82     17     16     21     18     14		20	22	19	85	17	15	19		
17VE1A0470     22     22     20     82     16     18     21     21     15       17VE1A0471     25     24     25     80     19     21     21     20     16       17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0474     23     22     25     87     16     19     18     19     15       17VE1A0475     24     21     25     82     17     16     21     18     14		22	21	20	82	22	21			
17VE1A0471     25     24     25     80     19     21     21     20     16       17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0474     23     22     25     87     16     19     18     19     15       17VE1A0475     24     21     25     82     17     16     21     18     14	17VE1A0470	22	22	20	82					
17VE1A0472     22     21     20     83     21     19     19     21     16       17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0474     23     22     25     87     16     19     18     19     15       17VE1A0475     24     21     25     82     17     16     21     18     14	17VE1A0471	25	24	25	80	19				
17VE1A0473     24     21     25     86     17     18     22     18     14       17VE1A0474     23     22     25     87     16     19     18     19     15       17VE1A0475     24     21     25     82     17     16     21     18     14	17VE1A0472	22	21	20				-		G. 39. 0
17VE1A0474 23 22 25 87 16 19 18 19 15 17VE1A0475 24 21 25 82 17 16 21 18 14	17VE1A0473	24	21	25					100000000000000000000000000000000000000	da, ler
17VE1A0475 24 21 25 82 17 16 21 18 14	17VE1A0474	23	22	25						
47)/[440470 00 00 00 10	17VE1A0475	24	21	25	82					
	17VE1A0476	23	20				75.35			

MCII ASWLETCH sesido Indu Aranya, tannaram, Hyderabad-68

HNTO	13402	13403	13436	13440	1047	134AC	134AM	13400	134CF
17VE1A047	7 25				_				
17VE1A047									
17VE1A047	9 23	21	20						
17VE1A048	0 21	20	17						
17VE1A048	1 24	23	25						
17VE1A048	2 22	23	25	80					
17VE1A0483	3 24	20	25	83					
17VE1A0484		22	25	90					
17VE1A0485		23	25	89	21				
17VE1A0486		22	25	87	21				
17VE1A0487		22	20	90	18				14
17VE1A0488		23	25	80	22		22		
17VE1A0489		21	25	91	24		23		14
17VE1A0490	_	21	20	82	22		21	21	20
17VE1A0491		24	25	86	23	22	22	23	17
17VE1A0492		24	25	82	23	21	24	24	20 16
17VE1A0493	_	22	24	84	19	19	21	21	
17VE1A0494		24	25	82	24	23	21	24	12
17VE1A0495		22	25	83	25	22	24	23	17
17VE1A0496		23	25	81	20	19	22	22	17
17VE1A0497	23	22	25	82	21	19	23	23	15
17VE1A0498	25	23	25	81	25	21	23	21	16
17VE1A0499	25	24	25	82	25	22	25	24	20
17VE1A04A0	24	23	25	83	18	22	21	22	14
17VE1A04A1	19	21	22	87	15	16	20	17	12
17VE1A04A2	22	22	16	82	13	14	18	14	11
17VE1A04A3	18	20	23	87	13	15	17	15	10
17VE1A04A4	25	24	25	87	23	23	21	24	17
17VE1A04A5	23	21	25	82	13	13	14	13	10
17VE1A04A6	23	19	20	89	15	17	20	13	10
17VE1A04A7	20	21	25	87	18	15	21	22	14
17VE1A04A8	24	22	24	92	19	19	22	18	15
17VE1A04A9	25	24	24	84	24	20	24	21	18
17VE1A04B1	22	19	24	82	15	21	19	15	10
17VE1A04B2	24	24	24	88	18	21	22	21	16
17VE1A04B3	25	23	25	83	23	22	21	23	18
17VE1A04B4	24	23	25	87	20	20	21	21	16
17VE1A04B6	20	20	20	89	13	16	18	16	11
17VE1A04B7	23	20	17	82	17	14	19	16	12
17VE1A04B8	24	24	25	88	24	23	2400	25	21
17VE1A04B9	18	20	20	84	14	14	17	14.No	
171/5110100	23	22	100	85	16	22	21		14 <sup>Tatt</sup>
17VE1A04C0						-	minn F	11	177
4-14-14-14-14-14-14-14-14-14-14-14-14-14			25	89	25	25	24		
17VE1A04C1	25	24		89 81	25 21	25 22	24 24	25 22	23 22

NCASURE JECH Luside Indu Aranya, annaram, Hyderabad-68

HNTO	13402	13403	13436	13440	134AC	134AG	134AM	134CC	134CF
17VE1A04C	4 25	23	24	87					
17VE1A04C				89					
17VE1A04C	6 23	23	24	85					159
17VE1A04C		24	25	90	22				18
17VE1A04C	8 22	23	24	81	21	20		22	
17VE1A04C	9 23	22	23	82	19			20	18
17VE1A04D	0 24	21	21	83	17	17		16	14
17VE1A04D	1 20	21	20	84	20	16	18	17	14
17VE1A04D	2 21	22	22	85	15	16	19	16	13
17VE1A04D	3 25	22	23	86	21	21	23	23	18
17VE1A04D4	4 25	23	24	87	22	21	24	24	22
17VE1A04D	5 25	23	24	85	22	21	21	23	20
17VE1A04D6	-	23	22	87	22	20	20	22	20
17VE1A04D7		23	21	82	20	18	18	18	15
17VE1A04D8		24	23	81	19	18	19	20	13
17VE1A04D9		20	21	80	14	0	10	17	13
17VE1A04E0		22	21	89	15	10	15	16	19
17VE1A04E1		24	24	81	23	20	23	23	22
17VE1A04E2		24	25	89	24	23	23	21	20
17VE1A04E3		24	23	87	22	19	21	22	17
17VE1A04E4 17VE1A04E5		24	25	80	23	22	24	23	23
17VE1A04E6		22	22	85	17	17	21	20	17
17VE1A04E0	25	24	21	90	17	14	18	21	14
17VE1A04E8	24	23	24	85	25	19	24	23	21
17VE1A04E9	22	23	24	86	22	21	22	21	18
17VE1A04F0	23	23	22	84	18	19	21	22	18
17VE1A04F1	23	21	21	82	15	19	18	17	16
17VE1A04F2	24	21	22	87	17	20	20	18	16
17VE1A04F3	25	23	24	82	20	23	24	23	20
17VE1A04F4	25	24	25	88	25	21	23	24	19
17VE1A04F5	25	24	25	87	24	23	24	23	18
17VE1A04F6	23	22	23	83	17	19.	20	19	15
17VE1A04F7	23	23	24	87	22	19	22	21	20
17VE1A04F8	25	22	24	82	19	20	21	22	18
17VE1A04F9	22	23	23	87	22	21	23	22	20
17VE1A04G0	25	24	25	89	24	24	24	24	20
17VE1A04G1	23	23	22	82	23	20	22	22	21
17VE1A04G2	23	23	24	84	21	19	22 an	19	20
17VE1A04G3	23	23	24	82	18	18	19	21	18
17VE1A04G4	16	22	21	87	15	17	20	17	15
17VE1A04G7	24	23	25	83	24	25	24	24	23
	25	24	23	87	22	21	23	21	22
	25	23	25	89	21	20	20	23	19
17VE1A04H0	25	23	25	82	21	22	23	24	22

CIPA Sures, of ENGG, & TECH size Indu Aranya, nnaram, Hyderabad-68

HNTO	13402	13403	13436	13440	134AC	134AG	134AM	134CC	134CF
17VE1A04H1	25	23	25	87	24	22	24	24	24
17VE1A04H2	25	23	23	84	17	21	24	21	18
17VE1A04H3	23	24	25	88	24	23	2.2	24	20
17VE1A04H4	24	24	23	90	23	22	22	25	18
17VE1A04H5	23	23	25	81	23	21	24	23	21
17VE1A04H7	23	22	24	81	22	22	21	22	21
17VE1A04H8	23	21	22	83	18	13	11	17	14
17VE1A04H9	24	24	25	87	25	24	23	25	21
17VE1A04J0	23	24	25	86	24	23	23	25	19
17VE1A04J1	24	24	25	84	22	21	19	22	19
17VE1A04J2	25	23	25	87	22	21	17	22	21
17VE1A04J3	22	23	21	85	13	13	14	15	13
17VE1A04J4	21	22	25	88	16	14	14	19	14
17VE1A04J5	24	22	24	81	23	17	18	22	20
17VE1A04J6	22	23	25	80	21	20	18	23	18
17VE1A04J7	25	23	25	86	25	22	23	24	22
17VE1A04K0	25	23	25	84	25	20	18	24	22
17VE1A04K1	24	24	25	90	25	24	23	25	21
17VE1A04K2	23	25	25	89	24	23	23	24	18
17VE1A04K3	25	23	25	80	25	23	23	24	23
17VE1A04K4	24	25	25	86	24	23	24	23	18
17VE1A04K6	23	23	21	84	19	17	13	15	11
17VE1A04K7	25	23	25	86	25	24	25	25	24
17VE1A04K8	23	22	23	82	21	19	16	22	17
17VE1A04K9	25	22	25	87	23	17	17	23	17
17VE1A04L0	23	23	24	89	22	23	17	23	19
17VE1A04L1	25	25	25	85	25	23	24	25	25
17VE1A04L2	24	24	25	87	22	22	23	25	20
17VE1A04L3	20	24	22	89	18	17	13	18	11
17VE1A04L5	24	22	25	90	17	20	18	19	14
17VE1A04L6	23	23	24	84	22	16	20	22	16
17VE1A04L7	23	21	23	85	22	13	10	16	13
7VE1A04L8	23	23	25	85	22	21	19	22	22
7VE1A04L9	23	23	24	85	17	14	17	19	15
7VE1A04M0	25	24	24	88	25	23	24	23	18
7VE1A04M1	25	25	25	90	24	23	23	24	20
7VE1A04M2	25	25	25	87	24	20	22	24	17
7VE1A04M3	24	23	24	87	23	19	17	23	19
7VE1A04M4	23	22	21	87	18	17	13	2000	140
7VE1A04M5	25	23	25	85	25	24 S		25	24
7VE1A04M6	24	23	25	85	24	23	20		23
7VE1A04M7	22	20	21	87	9	5	7		8 <sup>nnar</sup>
7VE1A04M8	23	23	24	85	21	19	17	23	11
7VE1A04M9	25	25	25	88	23	22	22	23	18
7VE1A04N0	25	22	25	89	24	22	21	23	19

IPAL A Sured OF ENGG. & TECHOS of Indu Aranya, ram, Hyderabad-68

HNTO	13402	13403	13436	13440	O T	134AC	134AG	134AM		134CC	134CF
17VE1A04N	11 25	24	25			20	19	19		4	15
17VE1A04N	25					24	22	20		4	20
17VE1A04N	3 25					23	22	21			21
17VE1A04N	4 24	24				25	23	22			21
17VE1A04N	5 25	23				4	19	20			19
17VE1A04N	6 23	22	24			3	21	18			16
17VE1A04N	7 24	24	25				22 !	23	2		20
17VE1A04N	8 25	24	25	91	2		23	21	24		24
17VE1A04N	9 25	23	24	90	2		21	20	25		22
17VE1A04P	0 22	22	21	84	2		12	17	17		16
17VE1A04P	1 22	22	24	87	2		17	19	23		17
17VE1A04P2	2 25	24	22	87	2		21	19	21		12
17VE1A04P3		25	24	89	25		23	24	25		18
17VE1A04P4	1 24	24	24	85	19		22	21	21		15
18VE5A0401	0	20	0	87	0		)	3	3		0
18VE5A0402	24	23	24	87	21		8	16	21		18
18VE5A0403	25	23	24	88	21		5	16	21		15
18VE5A0405	25	24	25	90	25	- 1	23	23	24		21
18VE5A0406	24	23	24	87	21		8	18	19		16
18VE5A0407	25	23	25	84	23		8	20	22		18
18VE5A0408	24	23	22	86	22		7	19	21		17
18VE5A0409	22	22	21	85	20		2	15	20		16
18VE5A0410	25	23	25	81	24			23	24		20
18VE5A0411	23	22	24	80	24			23	22		22
18VE5A0412	23	24	24	86	23	2	1	21	21		18
18VE5A0413	25	24	25	88	24	1	9	22	25	2	23
18VE5A0414	0	21	0	82	0	0		0	0	C	)
18VE5A0415	22	20	20	84	17	1:	3 2	20	20	1	2
18VE5A0416	21	20	17	89	15	14	1	15	19	1	4
18VE5A0417	18	21	23	91	16	14	1	17	17	1	5
18VE5A0418	23	21	25	82	20	1 20	9. 2	22	25	1	9
18VE5A0419	22	21	25	84	16	14	1	7	21	1	5
18VE5A0420	23	24	23	81	18	15	1	8	19	1	2
18VE5A0421	23	22	24	82	22	18	2	23	20	1	8
18VE5A0422	21	21	17	83	19	18	2	2	17	9	
18VE5A0423	24	21	23	87	16	16	1	9	17	1.	4
18VE5A0424	22	24	25	85	19	16	2	2	24	20	)
18VE5A0425	18	23	21	84	15	12	1	2	15	14	4
	21	22	22	87	19	15	1	9	21	20	)
	21	22	23	82	18	16	1	6	19	19	}
	22	23	24	85	19	16	1	8	19	17	7
			21	83	22	19	2	1	23	21	
			25	87	22	18	2	1	24	21	
		20	23	83	17	13	1	7	16	19	)
8VE5A0432	21	21	22	87	16	16	18	3	19	17	,

ASURES

OF ENGG, & TECH

Jue Indu Aranya,

naram, Hyderabad-68

HNTO	13402	13403	13436	13440	134AC	134AG	134AM	134CC	134CF
18VE5A0433	21	20	22	82	18	14	16	20	14
18VE5A0434	18	20	22	87	10	12	11	14	13
18VE5A0435	19	0	20	82	7	4	3	4	5
18VE5A0436	24	22	23	91	24	15	16	23	17
18VE5A0437	25	23	25	80	24	20	18	24	20
18VE5A0438	25	23	25	81	25	21	23	25	24
18VE5A0439	25	23	25	84	23	21	19	24	19
18VE5A0440	25	23	25	81	24	22	19	24	23
18VE5A0441	25	22	25	80	24	17	20	25	20
18VE5A0442	25	22	25	89	23	17	18	23	19
18VE5A0443	25	23	25	89	20	18	16	22	20
18VE5A0444	25	20	25	87	25	21	17	24	22
18VE5A0445	25	23	25	85	25	21	18	23	23
18VE5A0446	24	23	25	87	24	21	17	24	19
18VE5A0447	24	23	21	82	22	16	17	20	19
18VE5A0448	23	24	24	89	16	20	20	19	14
Total:273	631 6	614 4	633 1	232 57	567 9	521 1	543 3	569 3	479 9

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

Subject Code	Subject Name
134AG	BUSINESS ECONOMICS AND FINANCIAL ANALYSIS
134AM	CONTROL SYSTEMS
13440	GENDER SENSITIZATION LAB
134CC	PULSE AND DIGITAL CIRCUITS
13402	ANALOG COMMUNICATIONS LAB
134AC	ANALOG COMMUNICATIONS
13436	PULSE AND DIGITAL CIRCUITS LAB
13403	ANALOG ELECTRONICS LAB
134CF	SWITCHING THEORY AND LOGIC DESIGN

Attouch

Signature Of Principal with Date & Office seal

SPEYAS INSTITUTE TO COLOR & TECH 9-39, Sy. No. 107, Telliamiaram (V), GSI, Bandlaguda, Nagole, Hyd-68

Notice Board Copy am, Hyderabad-68
Removed on: 24 5

Notice Board Copy Issued on: 101119



Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R16 - II Year - II Semester
COMPUTER SCIENCE AND ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.12.23

HNTO	13408	13410	13432	13440	134AG	134AK	134AP	134BD	134BU
16VE1A051	7 18	3 16					-		
16VE1A053	3 19	17	16	96	14		14		11
16VE1A05L	8 18	15	21	92	15		14	14	14
16VE1A05P	7 20	21	19	92	14	18	15	17	16
17UJ1A0522	2 21	17	16	90	15	16	15	18	16
17VE1A050	1 25	24	23	88	17	25	19	22	19
17VE1A0502	2 25	21	20	90	14	20	16	18	16
17VE1A0503	3 22	20	18	96	17	21	17	18	16
17VE1A0504	1 19	15	17	90	14	17	14	14	14
17VE1A0505	23	20	16	84	15	20	14	14	15
17VE1A0506	21	19	19	78	14	19	15	14	15
17VE1A0507	20	20	17	100		18	14	14	15
17VE1A0508	14	15	16	84	16	18	14	15	15
17VE1A0509	25	23	23	96	22	25	20	23	21
17VE1A0510	25	25	24	100		25	24	24	24
17VE1A0511	18	23	22	96	14	17	15	20	16
7VE1A0512	24	23	22	88	19	22	20	23	17
7VE1A0513	23	21	19	90	19	23	18	21	21
7VE1A0514	23	15	18	100	14	15	14	10	15
7VE1A0515	14	20	20	100	17	22	18	19	19
7VE1A0516	23	23	20	86	19	21	20	19	19
7VE1A0517	15	23	20	80	17	17	18	17	18
7VE1A0519	21	20	16	100	15	16	14	14	15
7VE1A0520	24	24	23	94	20	23	20	22	18
7VE1A0521	25	24	24	96	21	24	21	23	22
7VE1A0522	18	18	16	100	15	17	15	15dla	14
7VE1A0523	25	24	24	90	22	25	22	24	22
7VE1A0524	18	15	16	90	14	17	15	16	12
7VE1A0525	25	23	21	96	18	22	20	23	
7VE1A0526	25	24	23	90	20	23	20	23	19
VE1A0528	16	20	21	94	14	19	15		21
VE1A0529	21	23	23	96	17	21	18	21 20	17 20

TECH Beside Indu Aranya, Hannaram, Hyderabad-68

HNTO	13408	13410	13432	13440		134AG	134AP	134BD	134BU	
17VE1A053	0 24			96	3 1	9 2				
17VE1A053	1 19									-
17VE1A053	3 25								4.0	-
17VE1A053	4 23									-
17VE1A053										_
17VE1A053										-
17VE1A053		22		10			14			_
17VE1A053		20	20	96		1.0	-			_
17VE1A0539		24	23	96			173		16	_
17VE1A0540		20	19	10				15	15	_
17VE1A054		20	16	96	14			14	14	_
17VE1A0543		16	19	96	14			16	14	_
17VE1A0544		23	24	94	19		19	21	23	
17VE1A0545		20	22	96	18		15	20	17	_
17VE1A0546		17	17	96	16		15	16	15	_
17VE1A0547		24	24	96	19		20	21	22	-
17VE1A0548		0	9	90	6	7	3	8	7	-
17VE1A0549		16	19	90	14		15	15	16	
17VE1A0550	_	20	23	94	19	22	17	22	19	-
17VE1A0551	23	24	22	84	18	19	20	20	18	-
17VE1A0552		17	21	80	21	19	16	18	17	-
17VE1A0553	24	25	24	84	21	24	24	21	22	
17VE1A0554	20	15	22	86	17	17	14	15	15	
17VE1A0555	22	19	23	90	16	18	18	14	19	1
17VE1A0556	22	17	21	96	16	18	17	14	18	1
17VE1A0557	23	22	24	90	20	22	19	18	19	1
17VE1A0558	22	21	20	94	22	23	17	20	20	1
17VE1A0559	15	18	15	100	15	17	15	14	15	1
17VE1A0560	17	17	20	96	15	16	15	15	18	1
17VE1A0561	14	15	14	90	14	14	14	11	15	
7VE1A0562	21	17	24	90	18	16"		15	15	
7VE1A0563	25	25	25	96	23	24	23	24	23	
7VE1A0564	20	17	20	96	16	17 .		19	16	
7VE1A0566	22	22	25	96	21	21	22	23	19	
7VE1A0567	18	18	20	90	15	15	14	16	15	
7VE1A0568	14	15	15	90	14	11	7	17	14	
7VE1A0569	22	23	25	98	21	18	18	23	19	
7VE1A0570	22	18	23	84	15	17	15	20	16	
7VE1A0571	14	16	14	84	14	12	14	18	14	
7VE1A0572	14	18	17	86	14	11	7	14	15	
7VE1A0573	14	21	20	88	17	14	14	14	15	1
7VE1A0574	23	22	23	94	21	22	19	20	20	
	24	25	25	96	24	24	22	24	23	-
	24		22	96	18	24	19	21	17	
	18			96	14	17	14	14		
			-m v/	~~	1 7	111	1-4	17	16	

PAL ASWEEK DE INGO-HAMYA, aram, Hyderabad-68

ŀ	HNTO		13408	13410	13432	13440		134AG	134AK		134AP	134RD		134BU			
1	7VE1A05	78	18	14	21	84	-	15	14	1	7	11	_	16			
1	7VE1A05	79 2	20	18	20	88		18	18		17	15		19			
1	7VE1A05	80 2	20	22	22	86		21	22		21	19		19			
1	7VE1A058	31	18	18	18	86		7	14		4	14		14			
1	7VE1A058	32 1	16	4	14	88		4	14		4	10		15			
1	7VE1A058	33 2	20	4	22	70		7	16		4	14		18			
1	7VE1A058	34 2	2 2	1	21	96		9	19		9	19		19			
1	7VE1A058	35 2	1 1	7	17	100		5	14		5	14		17			
17	7VE1A058	6 2	2 2	1	21	88	1		17		5	17		7			
17	7VE1A058	7 1	8 1		17	96	1		11	1		4					
17	VE1A058	8 2			24	100			22	1		16		5			
17	VE1A058	9 2			20	100			21	1		18		8			
	VE1A059				25	100			23	10		21		9			
	VE1A059				25	100			17	1		15		9			
17	VE1A059				23	98	17		21	16		22					
17	VE1A059	4 22			20	100			18	17		17		9			
17	VE1A0598	5 20	) 19		24	96	18		19	16		17	1				
17	VE1A0596	3 21			22	100			19	19		21	1				
17	VE1A0597	18			4	94	15		14	15		10	20				
17	VE1A0598	18				82	15		16	14		14	18				
171	VE1A0599	23	20			100	17		20	14		14	17				
17\	VE1A05A0	22	20			78	19		21	20		17	21				
17\	/E1A05A1	14	14			82	14		14	14		14	15				
17\	/E1A05A2	22	22			100	21		21	16		21	18				
17\	/E1A05A3	14	17	1:		90	14		14	14		6	16				
17\	/E1A05A4	21	23	2:		94	18		18	16		0	17				
17V	/E1A05A5	24	18	19		96	15		6	15		6	17				
17V	E1A05A6	25	24	23	3 (	96	17		22	19		8	18				
17V	E1A05A7	23	19	15	9 9	96	17		8	15		1	17				
17V	E1A05A8	25	23	23	3 9	96	19		0	16	2		21				
17V	E1A05A9	23	21	16	9	16	17		1	18	2		21	-			
17V	E1A05B0	25	25	24	. 9	6	20		3	23	2		21				
17V	E1A05B1	22	20	21		6	14	1		14	1:		11				
17V	E1A05B3	24	23	20		4	16	2		17	2		19				
17V	E1A05B4	24	24	21			19	2		18	2		19				
17VI	E1A05B5	21	19	18			15	1:		15	17		17	-			
17VI	E1A05B6	23	20	20			17	19		16	16		16	-			
17VI	E1A05B7	24	21	23	9.		17	20		19	21		21	-			
17VE	E1A05B8	25	24	24	94		19	20		19	21	273	17	CIP/A	8119	rest	NI I
17VE	E1A05B9	22	24	23	84		20	17		18	18	10.0	75	DFE	IGG.	W. F.	11
17VE	E1A05C0	25	24	24	96		22	21		19	24		17	naram,	Hyder	abad-f	38
		24	21	19	96		20	16		16	100			naram,	Tydor		
		25	18	15	88		14	15		14	20		21	-			
		24	18	15	90		14	16		16	19		14	-			
The same of the same		20	15	16	90		14	14		11	15		15	-		25	

HNTO	13408	13410	13432	13440	40 6	134AG	134AP	134BD	134BU
17VE1A05C	5 16	15	15	90	) 1	5 17	14	17	
17VE1A05C	6 20	20							
17VE1A05C	7 21	20	22	96					100
17VE1A05C8	3 24	21	23						
17VE1A05C9	9 24	23	23	90					16
17VE1A05D0	21	17	18	84					16
17VE1A05D1	24	23	23	96				18	18
17VE1A05D2	2 23	24	22	84	20	1	20	21	19
17VE1A05D3	3 24	25	25	94	19		23	23	22
17VE1A05D4	18	15	15	80	14		14	18	16
17VE1A05D5	21	21	16	88	17		18	18	19
17VE1A05D6	25	24	23	88	21		21	22	22
17VE1A05D7	25	23	24	96	17		19	20	20
17VE1A05D8	16	15	16	86	14		14	17	16
17VE1A05D9	25	24	23	94	20	23	21	22	22
17VE1A05E0	22	21	21	82	14	18	14	17	17
17VE1A05E2	22	24	23	96	23	21	20	23	21
17VE1A05E3	22	19	19	96	18	18	16	16	18
17VE1A05E4	23	16	16	90	14	14	14	15	17
17VE1A05E5	22	19	22	96	16	14	17	16	19
17VE1A05E6	22	23	20	94	17	16	17	19	18
17VE1A05E7	20	19	19	94	16	18	16	16	19
17VE1A05E8	25	23	23	92	22	18	18	20	20
17VE1A05E9	16	14	15	86	14	14	15	16	17
17VE1A05F0 17VE1A05F1	25	16	17	92	14	16	14	16	16
7VE1A05F1	24	21	16	96	17	14	16	16	17
7VE1A05F3	20	15	15	92	14	14	12	16	12
7VE1A05F4	25	21	20	86	17	15	15	16	15
7VE1A05F5	24	21	20	74	17	17	15	16	17
the second secon	22	21	22	92	17 15	17	14	17	19
	21	17	22	94	17	16	18	14	18
	20	21	20	96	19	18,	15	17	18
	20	15	15	86	14	15	14	16	16
	18	14	17	88	14	15	14	9	15
	24	24	25	94	24	24	23		14
	24	14	20	92	18	19	18	25 9	24
	23	24	25	92	20	19	18	23	17
	23	20	24	94	19	20	20		19
		8 0	25	92	19	19	19	18 18	18
			14	62	15	14	14	14	19
			21	94	18	21	17	16	15
			14	92	14	14	14		18 nn
			12	76	14	14	14	11	15
			20	78	14	14	14		15
	-			. 0	17	117	14	15	17

ASURES GIPAL OF ENGG. & TECH Le Indu Aranya, naram, Hyderabad-68

HNTO	00	3408	13410	3/30	704	13440		134AG		134AK	1	34AP	0	134BD	134BU
		5	5	5	2	13		134		134	0	34	0	34	134
17VE1A05H		3 1	4	17	7	92		14		20	1	5		8	17
17VE1A05		3 1	5.	22	2	96		14		8	1		1		.17
17VE1A05F		4 2	4	23	3	96	2	21		3	2		2		22
17VE1A05F	16 23	3 2	4	23	3	96		8		9	11		1		19
17VE1A05H	17 14	1 1	4	23		96		6	1		1		14		16
17VE1A05H	18 24	1	6	23		96		6	2		16		-12		17
17VE1A05J	0 22	1.	4	15		90		6		4.5	15		10		15
17VE1A05J	1 22	2	4	24		96	2		2	A.	22		21		22
17VE1A05J	2 22	2	4	24		96	1		22		22		19		19
17VE1A05J3	3 23	2	1	22		0	2		17		20		19		
17VE1A05J6	22	-		23		16	1		23		16				18
17VE1A05J8	24	18		20		0	18		18	-	17		20		21
17VE1A05J9		24		24		6	24		25		24		18		19
17VE1A05K0		19		22		6	20		17		16		25		23
17VE1A05K1		25		24	9		18		22		18	-	14		18
17VE1A05K2		14		21	9		17		19			-	22		21
17VE1A05K3	_	19		24	9		20		24		16	+	14		19
17VE1A05K4		24		24	96		21		22		20 21		20		20
17VE1A05K5		17		24	90		19		20	.			24		20
17VE1A05K6	_	14		20	90		17		16		14		14		8
17VE1A05K7	24	20		22	96		21		21		14		14		6
17VE1A05K8	23	20		24	96		17		16		19		20		8
17VE1A05K9	24	24		25	90		23		25		6		16		8
17VE1A05L0	24	25		25	90		24		25		3		24		4
17VE1A05L1	24	22		23	94		23		24		2		5	2	
17VE1A05L2	23	20		23	96		19		22		9		9	2	
7VE1A05L3	24	24		2	90		17		20	1			4	1	
7VE1A05L5	21	19		3	10		17		8	1		2		1	
7VE1A05L6	25	21	2		94		20		2	1		2	-	20	
7VE1A05L7	20	15	2		90		15		3	11		1		20	
7VE1A05L8	20	14	2		90		6		2	16		1		15	
7VE1A05L9	23	20	2		98		8		0	15		2		20	
7VE1A05M0	24	24	2		96		8		3 ,	18		20		21	
7VE1A05M1	16	14	23		94		8	1		14		14		18	
7VE1A05M2	25	25	25		96		2	2		21		23		25	
7VE1A05M3	25	25	25		94	2		2		19		21		24	
7VE1A05M4	18	13	22		100			1:		14		14		16	
VE1A05M5	25	21	25		96	2		22		20		23		1 2 1 2	-
VE1A05M6		21	25		100	22		20		20		19		23 22	
VE1A05M7 2		25	25		96	22		22			ndla		9-3 la	24	annai
		11	23		94	15		13		14					
		25	25		90	21		23				14		18	-
		20	25		96	23		20		20		22		24	
		13	23		38	19		15		19		22		24	-
	-			- 1	,0	13	-	10		14		14		21	

OF ENGG. & TECH de Indu Aranya, aram, Hyderabad-68

HNTO	13408	13410	13432	13440	134AG	134AK	134AP	134BD	134BU
17VE1A05N	4 24	20	25	96	19	22	18	19	23
17VE1A05N	5 22	24	25	96	21	22	19	23	23
17VE1A05N	6 23	24	25	100	21	21	18	22	23
17VE1A05N	7 20	20	24	100	21	17	16	18	21
17VE1A05N8	3 20	11	23	96	17	14	11	14	20
17VE1A05N9	9 18	23	24	98	17	14	14	14	20
17VE1A05P0	21	18	24	94	19	17	14	18	22
17VE1A05P1	20	15	24	86	19	16	14	14	22
17VE1A05P2	2 22	22	25	100	23	22	17	19	24
17VE1A05P3	3 20	25	25	96	19	17	15	17	22
17VE1A05P4	20	17	24	100	20	16	14	14	22
17VE1A05P5	20	12	23	88	18	11	10	10	22
17VE1A05P6	20	11	23	96	15	14	10	14	21
17VE1A05P8	18	10	22	88	8	14	11	14	18
17VE1A05P9	25	25	25	92	20	18	18	20	22
18VE5A0501	18	14	22	94	18	9	7	8	18
18VE5A0502	18	14	23	98	16	12	10	11	19
18VE5A0503	18	12	22	94	16	15	14	17	21
18VE5A0504	24	21	24	100	19	21	16	15	23
18VE5A0505	23	21	25	90	18	17	14	17	23
18VE5A0506	20	17	23	94	19	16	15	17	22
18VE5A0507	24	25	25	96	19	16	15	17	23
18VE5A0508	24	13	25	94	17	21	19	17	21
18VE5A0509	0	1	0	84	0	0	3	3	3
18VE5A0510	25	22	24	98	17	21	17-	15	21
18VE5A0511	0	1	0	90	0	0	3	3	3
18VE5A0512	22	14	24	98	18	16	16	14	21
18VE5A0513	24	24	25	100	21	21	21	20	24
18VE5A0514	0	1	0	90	0	0	5	3	3
18VE5A0515	0	1	0	90	0	0	5	3	3
18VE5A0516	25	24	25	94	18	23	17	17	23
18VE5A0517	20	11	23	98	16	15	14	17	20
18VE5A0518	25	20	25	92	20	21	19	21	23
18VE5A0519	25	23	25	90	18	21	20	21	24
18VE5A0520	0	1	0	90	10	6	9	10	9
18VE5A0521	22	20	24	100	19	15	15	15	21
18VE5A0522	25	20	25	100	22	17	20	16	24
Total:249	521 5	475 6	516 3	230 86	429 4	448 7	405	429	451

Notice Board Copy Issued on: 9009 Note: -1 indicates student is absent for the exam.

Notice Board Copy Removed on: २५। ऽ।१

Subject Code	Subject Name
13408	COMPUTER ORGANIZATION LAB

134AG	BUSINESS ECONOMICS AND FINANCIAL ANALYSIS
13440	GENDER SENSITIZATION LAB
134AK	COMPUTER ORGANIZATION
13410	DATABASE MANAGEMENT SYSTEMS LAB
13432	OPERATING SYSTEMS LAB
134AP	DATABASE MANAGEMENT SYSTEMS
134BD	FORMAL LANGUAGES AND AUTOMATA THEORY
134BU	OPERATING SYSTEMS

Signature Of Principal with Date & Office seal

PRINCIPAL
SPEYAS INSTITUTE OF ENERG. & TEO:
9-39, Sy. No. 107, Tehlanderom (v).
GSI, Bandiaguda, Negele, Hys-98

Notice Board Copy Issued on: 9/5/19 Notice Board Copy Removed on: 24 5 19

SREYAR MATERIAL OF ENGG. & TECH D.No. 9-34. Essienting França, Bandlaguda Tathannaram, Hyderabad-68



Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R16 - III Year - II Semester
CIVIL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.13.12

HNTO	3601	6	0	m	L	NI	-	00	
	136	13609	13629	136BB	136B	136BZ	136DV	136FB	136SA
15VE1A0106	0	0	0	0	0	0	3	0	-
15VE1A0110	0	0	0	0	0	0	3	0	-
15VE1A0138	22	15	14	0	0	0	3	0	-
15VE1A0149	24	21	18	14	16	14	14	17	-
16VE1A0102	23	21	18	18	22	16	20	18	-
16VE1A0103	23	19	15	16	18	15	18	16	-
16VE1A0104	22	21	15	17	17	16	14	13	-
16VE1A0106	24	23	22	16	19	15	20	15	_
16VE1A0109	23	21	16	14	16	15	16	14	-
16VE1A0110	25	24	18	17	22	15	17	16	-
16VE1A0113	25	22	24	20	24	22	24	22	-
16VE1A0114	25	23	22	18	22	19	21	16	-
16VE1A0116	24	21	22	17	18	16	17	17	_
16VE1A0117	23	24	23	20	25	21	22	20	_
16VE1A0118	25	23	23	20	25	20	23	17	-
16VE1A0119	23	23	23	17	24	20	23	17	-
16VE1A0120	24	20	21	16	19	14	19	19	_
16VE1A0121	23	24	24	17	22	22	23	22	-
16VE1A0122	22	19	19	16	15	14	17	14	-
16VE1A0123	23	21	21	16	18	14:	16	15	-
16VE1A0124	23	22	22	14	20	13	18	16	-
16VE1A0126	23	19	23	16	23	17	21	15	-
16VE1A0127	24	24	23	18	24	20	23	18	-
16VE1A0128	22	18	18	16	16	11	20	11	-
16VE1A0130	22	21	16	16	16	15	18	14	_
	23	24	24	18	17	18	19	15	_
	24	22	21	18	22	19	21	18	_
	25	24	23	18	23	22	21	20	PRIN
	23	20	15	15	22	18	20RE	18	
	23	22	21	16	22	18	20	17	9 <del>-30, da</del> a Tattia
	25	25	21	19	21	19	22	20	- 181118
	23	22	24	20	23	18	22	19	-

CIPASURES TOF ENGGV& TECH Iside Indu Aranya, Innaram, Hyderabad-68

HNTO	13601	13609	13629	136BB	136BT	136BZ	136DV	136FB	136SA
16VE1A0140	23	23	24	18	20	17	21	20	-
16VE1A0142	23	20	20	14	18	14	17	14	-
16VE1A0144	22	19	21	16	18	15	19	17	-
16VE1A0145	22	20	21	18	12	14	16	14	-
16VE1A0147	24	24	20	15	18	16	19	16	-
16VE1A0149	23	18	23	15	17	14	20	17	-
16VE1A0151	0	22	14	0	0	3	3	0	-
16VE1A0152	23	23	23	15	20	16	20	17	-
16VE1A0153	25	23	20	15	19	16	20	17	-
16VE5A0116	0	0	0	3	7	3	_	3	3
17VE5A0102	24	23	20	14	19	15	18	17	-
17VE5A0103	23	22	18	19	20	16	19	16	-
17VE5A0104	23	23	16	15	14	13	14	12	_
17VE5A0105	22	23	22	19	21	17	20	17	-
17VE5A0107	24	24	23	20	25	21	22	22	-
17VE5A0108	22	22	16	11	12	8	10	7	_
17VE5A0109	24	20	22	18	23	15	22	18	-
17VE5A0110	23	24	22	18	21	16	21	19	-
17VE5A0111	23	21	23	21	24	19	23	18	
17VE5A0112	23	23	23	20	23	18	23	20	-
17VE5A0113	23	19	16	19	18	16	17	16	-
17VE5A0114	24	23	20	14	16	15	18	13	-
17VE5A0115	23	23	19	15	18	14	19	16	-
17VE5A0116	24	21	22	12	23	20	13	18	-
17VE5A0117	24	22	17	18	17	17	19	17	-
17VE5A0118	24	22	24	20	23	19	24	19	-
Total:58	126 1	119 5	111	895	105 7	883	103 5	889	3

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

PRINCIPASURES
SREYAS 14 STITUTE OF ENGG. & TECH
D.NO. 9-39. Session India arraya

Subject Code	Subject Name
13629	SOIL MECHANICS LAB
136BZ	GROUND WATER DEVELOPMENT AND MANAGEMENT
13609	COMPUTER AIDED DRAFTING II LAB
136SA	FUNDAMENTALS OF MANAGEMENT
136FB	FABRICATION PROCESSES
136BT	ENVIRONMENTAL ENGINEERING
136DV	SOIL MECHANICS
136BB	DESIGN OF STEEL STRUCTURES
13601	ADVANCED ENGLISH COMMUNICATION SKILLS LAB

Notice Board Copy Issued on: 9 5 19



Signature Of Principal with Date & Office seal

PRINCIPAL
SPEYAS INSTITUTE OF ENGG. & TECH
9-39, Sy. No. 107, Tandermaram (V).
GSI, Bandlaguda, Nagola, Hyd-68

Notice Board Copy Issued on: 9/5/19

Notice Board Copy, Removed on: 941519

PRINCIPAL

SREYAS INSTITUTE OF ENGG. & TECH
D.No. 9-39, Besize Indu wanya,
Bandlaguda, Tattiannaram, Hyderabad-68



Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R16 - III Year - II Semester
MECHANICAL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-10 15.55.46

HNTO	13601	13606	13617	136BA	136CA	136DQ	136EB	136FA	1368J
14VE1A0326	0 6	0	0	0	0	0	-	3	5
14VE1A0383	3 0	0	0	0	3	0	5	3	-
15VE1A0302	0	2	0	0	0	0	-	3	5
15VE1A0329	24	23	18	16	9	13	7	13	-
15VE1A0331	22	2	15	7	3	0	5	3	-
15VE1A0350	22	0	3	11	3	0	5	3	_
15VE1A0372	24	18	23	14	6	9	7	11	-
15VE1A0391	0	0	0	6	3	0	5	3	_
15VE5A0304	0	0	0	0	0	0	_	3	5
16VE1A0301	24	22	23	18	5	14	10	17	_
16VE1A0304	24	24	23	16	16	19	14	19	-
16VE1A0305	23	22	20	18	11	16	14	15	_
16VE1A0306	25	24	22	19	15	20	16	18	-
16VE1A0307	23	25	25	21	20	19	20	18	-
16VE1A0308	24	25	21	18	10	16	16	20	~
16VE1A0309	24	23	25	15	12	16	17	16	-
16VE1A0310	25	25	25	21	18	21	20	19	~
16VE1A0311	25	21	17	16	11	18	9	16	-
16VE1A0312	25	21	25	20	14	17	16	18	-
16VE1A0313	24	19	0	7	3	8	3	9	-
16VE1A0315	23	21	10	14	13	15	14	14	-
16VE1A0316	23	21	20	17	17	20	14	19	-
16VE1A0317	24	2	6	6	3	0	3	3	-
16VE1A0318	24	21	13	16	11	15	13	18	-
16VE1A0321	24	20	20	17	10	16	19	19	_
16VE1A0322	25	19	5	14	5	13	14	17	-
16VE1A0323	23	21	25	20	13	18	18	18	PRIN
16VE1A0324	24	25	25	21	17	18	19	20	- T
16VE1A0325	24	21	25	19	11	16	16	200	<u>.</u> 39, B
16VE1A0326	24	22	20	19	11	16	16 <sup>0</sup>	17 uda	. Tattia
16VE1A0327	24	21	25	17	11	15	20	20	_
16VE1A0328	22	19	8	18	8	8	12	12	_

Since Indu aranya, nnaram, Hyderabad-68

HNTO	13601	13606	13617	136BA	136CA	136DQ	136EB	136FA	1368J
16VE1A0329		20	19	9	5	8	3	8	-
16VE1A0330	25	18	. 22	18	6	15	19	19	-
16VE1A0331	23	19	6	16	7	15	9	19	230
16VE1A0332		22	23	18	6	17	18	17	-
16VE1A0333		24	13	9	3	9	5	9	_
16VE1A0334	24	23	25	18	17	19	20	19	-
16VE1A0335	24	25	25	20	20	19	19	21	-
16VE1A0336	24	25	25	20	21	21	21	20	-
16VE1A0337	24	23	25	18	18	20	20	20	-
16VE1A0338	24	21	18	14	10	17	16	18	-
16VE1A0339	24	18	6	8	3	7	5	8	_
16VE1A0340	25	22	23	16	9	16	18	17	-
16VE1A0342	24	22	17	18	12	17	13	19	-
16VE1A0344	24	24	17	16	14	14	14	16	_
16VE1A0348	23	19	10	16	17	16	17	18	-
16VE1A0349	24	24	25	18	15	15	17	17	-
16VE1A0351	23	21	11	16	13	14	17	16	-
16VE1A0352	23	1	0.	4	5	0	13	9	-
16VE1A0353	23	13	25	16	15	16	14	17	_
16VE1A0355	0	0	0	11	3	7	5	3	_
16VE1A0356	23	16	24	16	15	16	16	15	-
16VE1A0358	24	21	18	19	11	17	13	19	-
16VE1A0359	23	15	9	16	14	17	15	20	-
16VE1A0360	23	12	7	17	11	10	12	17	-
16VE1A0361	23	24	24	23	21	21	20	22	-
16VE1A0362	23	12	9	16	11	8	10	13	-
16VE1A0363	22	22	22	20	12	15	14	14	-
16VE1A0364	25	25	19	16	8	13	14	17	-
16VE1A0365	23	15	6	16	12	14	13	14	-
16VE1A0369	23	20	13	17	12	17	19	19	-
16VE1A0370	23	25	25	20	15	17-	16	20	-
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16VE1A0375	23	23	13	12	6	11	10	14	-
16VE1A0376	24	21	25	20	17	18	19	20	-
16VE1A0378	23	21	22	17	11	15	13	19	-
16VE1A0380	25	20	25	17	16	16	19	18	-
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16VE1A0383	23	17	17	14	8	16	11	17	-
16VE5A0306	0	17	6	16	6	13	10	12	-
16VE5A0319	24	19	17	18	9	16	13	15	-
17VE5A0301	24	14	13	5	3	0	5	3	- 1
17VE5A0302	23	22	21	14	10	15	17	18	-
17VE5A0303	24	21	20	6	7	0	13	3	-
17VE5A0304	24	23	23	19	7	14	15	14	-
7VE5A0305	23	19	23	18	6	15	18	15	_

RINCIASURED CH ENGLANDEH Lustide Indu Aranya, Tennaram, Hyderabad-68

HNTO	13601	13606	13617	136BA	136CA	136DQ	136EB	136FA	1365J	
17VE5A0306	24	21	25	20	13	20	19	18	_	
17VE5A0307	24	25	25	22	20	20	22	20	-	_
17VE5A0308	23	25	25	20	17	20	16	18	-	
17VE5A0309	23	20	18	21	11	16	18	19	_	
17VE5A0310	24	22	25	19	8	15	16	18	_	
17VE5A0311	23	21	15	19	7	14	14	15	_	
17VE5A0312	25	24	25	19	10	17	15	20	_	
17VE5A0313	23	22	17	15	9	16	17	18	_	
17VE5A0314	23	24	17	21	15	19	21	20	_	
17VE5A0315	23	23	23	17	12	20	18	18	-	
17VE5A0316	23	19	25	16	12	16	14	18	-	1
17VE5A0317	0	2	0	5	3	0	5	3	-	1
17VE5A0318	23	16	22	15	12	16	16	18	-	1
17VE5A0320	24	24	23	20	9	17	14	17	_	1
17VE5A0321	23	24	25	20	15	21	21	20	-	1
17VE5A0322	24	24	25	21	14	20	20	21		1
17VE5A0323	24	20	25	22	18	22	23	21	-	1
7VE5A0324	23	22	23	20	15	20	19	17	_	1
7VE5A0325	24	19	11	17	12	22	18	20	-	1
7VE5A0326	23	15	14	18	9	11	13	12	-	
7VE5A0327	25	21	25	20	13	19	22	21	-	
7VE5A0328	23	20	16	18	11	17	18	21	_	1
7VE5A0329	23	22	25	21	12	21	14	19	-	
	217 4	187 5	173 6	157 0	105	140	140	154	15	

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

	D.No. 9-39, 202008 Indi
Subject Code	Subject Name Randlanda, Tattiannaram,
13617	HEAT TRANSFER LAB
13606	CADD AND MATLAB
136SJ	DISASTER MANAGEMENT
136FA	ENVIRONMENTAL IMPACT ASSESSMENT
136CA	HEAT TRANSFER
136BA	DESIGN OF MACHINE MEMBERS II
136DQ	REFRIGERATION AND AIR CONDITIONING
136EB	THERMAL ENGINEERING II
13601	ADVANCED ENGLISH COMMUNICATION SKILLS LAB

Notice Board Copy Issued on: 10/119 Signature Of Principal with Date & Office seal

Notice Board Copy PRINCIPAL

Removed on by 1939, Sy. No. 107, Tattisringram (V),

GSI, Bendlaguda, Nagois, Hyd-68



Sreyas Institute Of EngineeringandTechnology(VE)

B.Tech - R16 - III Year - II Semester

ELECTRONICS AND COMMUNICATION ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.13.28

HNTO	13601	13612	13621	136AF	136BD	136BE	136CT	136FG
15VE1A0417	24	6	14	6	0	10	12	0
16C21A0402	25	25	25	24	18	21	19	19
16VE1A0402	25	21	22	22	21	20	14	20
16VE1A0403	24	22	23	21	15	20	18	18
16VE1A0404	25	21	23	22	17	17	13	18
16VE1A0405	25	23	23	23	18	18	15	15
16VE1A0406	25	25	24	24	21	22	22	23
16VE1A0407	25	20	19	17	15	14	17	15
16VE1A0408	24	24	23	21	17	21	18	18
16VE1A0409	25	23	24	18	16	18	16	18
16VE1A0411	25	23	24	25	17	23	18	17
16VE1A0412	25	24	24	24	21	20	21	21
16VE1A0413	25	21	19	18	12	14	15	15
16VE1A0414	25	23	24	21	22	24	15	24
16VE1A0415	25	25	24	24	19	23	19	20
16VE1A0416	24	21	23	25	21	19	16	19
16VE1A0418	25	25	23	18	17	14	14	18
16VE1A0419	24	19	23	17	14	16	13	18
16VE1A0420	25	23	24	20	20	20	16	17
16VE1A0421	24	21	24	17	18	16	17	19
16VE1A0423	25	24	23	20	18	18	18	17
16VE1A0424	24	24	21	22	19	23	19	19
16VE1A0425	24	25	24	24	19	23	20	20
16VE1A0426	25	24	25	24	16	19	18	20
16VE1A0427	24	24	24	23	17	22	19	18
16VE1A0428	24	19	21	19	15	16	15	17
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16VE1A0431	25	24	23	20	16	19	16	17
16VE1A0432	25	21	24	19	16	15 8	16	15 Tat
16VE1A0433	25	24	24	22	19	21	17	18
16VE1A0434	25	21	23	21	14	18	16	16
16VE1A0435	25	16	21	16	15	15	14	14

INCIPAL ITE OF FASALTECH deside Indu Aranya, Sh iannaram, Hyderabad-68

HNTO	13601	13612	13621	136AF	136BD	136BE	136CT	136FG
16VE1A0436	24	25	24	23	19	21	16	17
16VE1A0437	25	20	24	23	15	21	16	19
16VE1A0438	24	18	23	18	10	15	13	15%
16VE1A0440	25	22	21	23	14	20	14	17
16VE1A0441	25	23	21	22	17	19	15	17
16VE1A0442	25	20	23	20	17	22	18,	. 17
16VE1A0443	25	25	24	25	17	22	18	19
16VE1A0445	25	24	22	24	20	-118	16	17
16VE1A0446	25	17	23	15	16	15	10	14
16VE1A0447	25	20	23	17	14	14	15	15
16VE1A0448	24	17	15	17	14	14	15	14
16VE1A0449	24	19	20	18	15	19	16	15
16VE1A0451	24	23	24	22	17	20	15	17
16VE1A0452	24	19	22	17	14	15	14	14
16VE1A0453	25	19	20	20	16	17	17	15
16VE1A0455	25	25	25	25	18	21	20	20
16VE1A0456	24	22	20	14	9	16	15	16
16VE1A0457	25	21	20	21	17	16	17	19
16VE1A0458	24	23	22	24	18	20	15	20
16VE1A0459	25	23	20	24	17	21	17	20
16VE1A0460	24	24	23	21	17	22	19	17
16VE1A0461	24	23	24	23	22	22	18	21
16VE1A0462	24	25	24	21	19	23	20	17
16VE1A0463	24	3	12	3	8	2	4	0
16VE1A0465	24	25	24	23	18	22	19	19
16VE1A0466	24	20	21	17	15	16	14	14
6VE1A0467	24	19	16	14	11	10	12	10
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6VE1A0469	25	24	24	22	20	21	19	19
6VE1A0470	24	25	25	23	20	21	20	19
6VE1A0471	24	25	22	21	18	-22	19	20
6VE1A0472	25	20	19	14	15	16	14	16
6VE1A0473	25	25	25	25	22	25	21	22
6VE1A0474	25	22	21	15	14	16	15	12
6VE1A0475	25	22	25	22	20	22	19	18
6VE1A0477	25	24	24	24	22	24	21	21
6VE1A0478	25	22	24	23	20	21	20	18
6VE1A0480	24	24	25	25	19	23	19	16
6VE1A0481	24	20	19	14	16	15	16	14
6VE1A0482	24	25	24	22	17	22	20_	19
6VE1A0483	24	20	19	14	16	15	14	16
6VE1A0484	24	23	21	16	17	19	16and	19 <sup>1da</sup>
6VE1A0485	24	22	24	23	19	21	20	20
	25	20	19	23	21	22	16	22
	23	23	22	13	14	17	13	13

ASURES

PRINCIPAL

PENGG. & TECH

16, Busine Indu Aranya,

Tattiannaram, Hyderabad-68

HNTO	13601	13612	13621	136AF	136BD	136BE	136CT	136FG
16VE1A0488	3 24	23	22	18	17	19	15	17
16VE1A0489	25	25	25	25	19		18	22
16VE1A0490	25	24	21	18	14	15	14	14
16VE1A0492	2 25	22	24	22	18	18	16	17
16VE1A0493	3 25	23	20	24	18	17	18	19
16VE1A0494	25	22	19	16	15	15	14	18
16VE1A0495		23	23	22	21	23	19	21
16VE1A0496	24	24	19	21	19	19	18	20
16VE1A0498	25	24	22	16	15	20	17	15
16VE1A0499		23	24	24	16	22	20	18
16VE1A04A0		23	22	23	20	24	20	20
16VE1A04A2	25	21	21	19	17	22	18	15
16VE1A04A4	24	25	23	24	19	22	19	18
16VE1A04A6	24	23	23	22	19	22	18	18
16VE1A04A7	24	24	22	22	16	21	18	17
16VE1A04A8	25	25	24	24	19	21	20	21
16VE1A04A9	24	24	23	20	17	16	15	18
16VE1A04B0	25	23	24	25	22	24	20	22
16VE1A04B1	24	21	22	19	12	18	16	16
16VE1A04B2	25	25	25	25	22	23	22	24
16VE1A04B3	24	21	21	20	15	19	16	18
16VE1A04B4	24	20	18	21	16	15	17	17
16VE1A04B5	25	23	21	23	18	17	17	19
16VE1A04B6	22	21	23	23	16	20	15	16
16VE1A04B7	24	20	19	18	16	15	13	14
16VE1A04B8	24	24	24	21	16	22	21	23
16VE1A04B9	25	25	24	24	23	24	23	24
16VE1A04C2	24	21	20	17	16	16	13	16
16VE1A04C3	25	25	24	23	21	24	21	21
16VE1A04C4	24	24	23	21	17	21	16	17
16VE1A04C5	25	21	22	21	18	21	16	17
16VE1A04C6	24	21	22	20	19	16	17	18
16VE1A04C7	25	22	20	22	19	18	16	18
16VE1A04C8	25	22	22	22	18	18	17	18
16VE1A04C9	24	22	22	17	16	16	11	17
16VE1A04D0	0	0	0	0	0	0	0	3
16VE1A04D1	24	22	22	12	12	17	8	16
16VE1A04D2	24	19	20	18	15	14	14	14
16VE1A04D3	24	16	20	21	13	17	10	14
16VE1A04D4	25	23	22	21	18	18	17	22
16VE1A04D5	25	23	22	20	17	17	140.	14
16VE1A04D6	25	24	24	24	21	24	22 lac	20 Ta
16VE1A04D7	24	24	24	24	20	21	16	22
16VE1A04D8	24	20	19	15	13	14	11	14
16VE1A04D9	25	23	23	19	18	22	19	19

RINCIPAL:
TITL OF EACH, & TECH
Beside In A Sure of
thannaram, Hyderabad-69

HNTO	13601	3612	3621	36AF	36BD	36BE	136CT	36FG
16VE1A04E0	0.24	23	22	21	20	19	15	17
16VE1A04E2	2 25	22	23	20	18	19	15	17
16VE1A04E3		23	20	21	19	18	14	173
16VE1A04E4	1 25	24	23	25	22	23	18	20
16VE1A04E5	25	20	20	18	17	16	16	15
16VE1A04E6	3 24	24	23	23	22	24	23	23
16VE1A04E7	25	22	22	24	21	1,9	18	20
16VE1A04E8	3 24	20	22	21	17	17	14	16
16VE1A04E9	24	24	21	24	20	23	. 19	20
16VE1A04F0	24	22	21	21	18	18	16	17
16VE1A04F1	24	20	17	25	19	17	18	20
16VE1A04F2	23	22	22	23	14	21	15	17
16VE1A04F3	25	22	22	22	19	21	15	21
16VE1A04F4	25	24	23	24	22	23	21	24
16VE1A04F5	25	23	22	20	19	22	16	16
16VE1A04F6	24	20	20	17	17	18	15	15
16VE1A04F7	23	22	21	21	16	20	15	16
16VE1A04F8	25	18	14	21	18	16	14	14
16VE1A04F9	23	21	20	21	16	19	14	16
16VE1A04G0	24	21	22	19	18	16	17	18
16VE1A04G1	24	21	21	22	19	22	15	17
16VE1A04G2	24	19	19	18	15	16	14	14
16VE1A04G3	24	19	20	18	17	18	11	17
16VE1A04G5	25	24	24	24	22	22	21	21
16VE1A04G7	25	24	24	22	17	21	18	18
16VE1A04G8	25	23	24	23	19	20	19	21
16VE1A04G9	25	23	23	21	16	18	16	19
16VE1A04H0	23	18	21	18	16	19	10	17
16VE1A04H1	24	22	22	20	17	23	14	16
16VE1A04H2	25	25	24	23	22	23	21	17
16VE1A04H4	24	23	22	23	20	-22	19	20
16VE1A04H6	24	24	24	22	21	23	21	19
16VE1A04H7	25	25	24	25	23	23	22	19
16VE1A04H8	24	14	15	6	9	5	3	15
16VE1A04H9	24	23	24	24	18	20	18	18
16VE1A04J0	25	24	24	25	19	23	21	20
6VE1A04J1	25	23	22	22	17	21	15EY	22
6VE1A04J3	24	20	21_	16	13	16	13	16
6VE1A04J4	24	20	20	14	10	16	10	16 17
6VE1A04J5	25	19	21	20	18	19	16	17
6VE1A04J6	25	24	24	24	22	22	23	21
	25	22	24	22	18	21	20	22
	24	22	22	23	16	19	20	22
	24	21	20	15	15	16	11	16
6VE1A04K1	25	18	21	19	15	17	13	17

PIN ASURES TECH 19, Beside Indu Aranya, Tattiannaram, Hyderabad-68

					0.70									
	HNTO	12604	0001	13612	10001	12051	136AF		136BD	136BE		136CT		136FG
	16VE1A04k	(3 2	5	21	2	0	16		13	14		12		17
	16VE1A04K	(4 24	1	21	21	0	15		14	20		15		16
	16VE1A04K	6 24	1	24	22	2	22		19	17		14		18
	16VE1A04K	7 23	3	21	24	1	18		15	19		14		15
	16VE1A04K	8 25	5	20	23	3	15		13	18		15		14
	16VE1A04K	9 24		22	24	1	23		18	21		21,		20
-	16VE1A04L	0 25		24	23	3	25		23	24		21		22
	16VE1A04L	1 24		22	22	2	23			21		20		19
	16VE1A04L	2 25		21	20	)	23		2	20		15		20
	16VE1A04L	3 25		22	24		24		9	23		20		22
	16VE1A04L4	4 25	1	21	21		24		7	20		17		20
	16VE1A04L	5 25	2	22	20		22		9	21		15		18
	16VE1A04L6	3 24	2	21	23		21		6	19		14		15
	16VE1A04L7	24	-	8	23		14	8		16		11		6
-	16VE1A04L8	25	2	25	24		25		2	25		24		21
1	16VE1A04L9	25	2	22	23		25	1		21		7		2
1	16VE1A04M	0 25	2	23	21		21	1		21		5	1	8
1	6VE1A04M	1 24	2	2	21		23	1	7	22		9		7
1	6VE1A04M2	2 24	2	4	24		24	1	9	23		9		2
1	6VE1A04M3	3 23	2	4	22		24	1	9	23		8	2	
1	6VE1A04M4	1 23	1	9	21		13	1(	)	13		2	1	
	6VE1A04M5		2	5	24	2	25	2	1	23		2	2	
	6VE1A04M7		2	4	23	1	25	20	)	23	2	1	2	
	6VE1A04M9	25	2	3	24	2	25	2		23	2	2	18	
	6VE1A04N0	25	2	00	20	2	23	14	-	15	1	3	19	9
	6VE1A04N1	25	23	3	21	2	23	15	)	21	1	7	20	)
	6VE1A04N3	25	2	1	21	2	22_	14		19	1	4	16	3
	6VE1A04N4	24	19		20	1	7	15		16	1	1	15	5
	6VE1A04N5	25	22		19	1	9	16		19	16	6	18	3
	7VE5A0401	25	22		22	2	1	18		20	16	3	20	)
	7VE5A0402	23	20		21	2	0	18		19	15	5	17	
	VE5A0403	25	20		24	2	1	16		18	18	3	16	
	VE5A0404	25	25		23_	2	2	18		20	18	3	16	
	VE5A0405	25	23		24	2	1	17	- 2	21	19		18	
	VE5A0407	23	21		21	1	5	17		19	7		17	
	VE5A0408	25	24		24	2	4	20	4	24	19		18	
	VE5A0409	24	20		20_	1:	5	18	-	17	14		16	
	VE5A0410	25	21		24	22	2	16	-	18	17		18	
0	tal:205	499 3	44		449 4	42		351 1	3	392	33 7		36: 6	3

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

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PRINCIPAL
SREYAS MATERIATE OF ENGG. & TECH
D.No. 9-39, Baside Indu Aranya,
Bandlaguda, Tattiannaram, Hyderabad-68

Subject Code	Subject Name
136AF	ANTENNAS AND WAVE PROPAGATION
13621	MICROPROCESSORS AND MICROCONTROLLERS LAB
136BD	DIGITAL IMAGE PROCESSING
136BE	DIGITAL SIGNAL PROCESSING
136FG	INTELLECTUAL PROPERTY RIGHTS
136CT	MICROPROCESSORS AND MICROCONTROLLERS
13612	DIGITAL SIGNAL PROCESSING LAB
13601	ADVANCED ENGLISH COMMUNICATION SKILLS LAB

Signature Of Principal with Date & Office seal

SPEYAS INSTITUTE OF ENGG. & TECH 9-39, Sy. No. 107, Tatliannaram (V). GSI, Bandlaguda, Nagéle, Hyd-88

Notice Board Copy Issued on: 9/5/19

Notice Board Copy Removed on: 24 5119

PRINCIPAL

PRINCIPAL

SREYAS I ISTITITE OF ENGG. & TECH

D.No. 9-39, Basido Indu Franya,

Bandlaguda, Tattiannaram, Hyderabad-68



Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R16 - III Year - II Semester
COMPUTER SCIENCE AND ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.13.35

HNTO	13601	13611	13630	136AQ	136AW	136BC	136EN	136FG	136SD
157Y1A05G1		15	15	11	13	12	5	15	-
15VE1A0502	22	0	0	0	0	3	0	3	-
15VE1A05B0		0	0	0	0	3	0	3	-
15VE1A05C1	24	17	14	14	15	10	11	16	-
15VE1A05J4	25	17	15	14	15	14	18	17	-
15VE1A05K8	24	18	19	14	15	14	16	15	-
165C1A0527	0	18	21	20	20	20	20	22	-
16VE1A0501	20	16	19	14	12	15	16	16	-
16VE1A0502	25	20	20	20	19	19	21	21	_
16VE1A0503	24	20	19	20	20	20	19	22	-
16VE1A0504	25	21	21	23	21	21	22	23	_
16VE1A0506	25	20	19	19	18	18	19	21	-
16VE1A0507	25	21	22	18	18	17	20	22	-
6VE1A0508	25	20	22	19	19	18	20	21	-
6VE1A0509	23	18	20	17	16	18	17	18	-
6VE1A0510	23	16	19	16	18	20	19	21	-
6VE1A0511	24	25	24	24	24	21	23	24	-
6VE1A0512	25	22	23	23	23	20	22	23	_
6VE1A0513	25	18	20	20	20	18	20	21	-
6VE1A0515	25	25	25	21	23	21	23	24	-
6VE1A0518	24	18	19	18	19	18	22	23	-
6VE1A0520	25	21	22	22	21	20	22	23	-
6VE1A0521	25	24	24	17	22	18	22	23	-
6VE1A0522	24	22	21	23	24	20	22	22	-
6VE1A0523	25	17	19	18	16	18	20	13	-
6VE1A0524	25	23	21	23	22	19	21	23	-
6VE1A0525	25	23	24	23	21	19	23	23	_
6VE1A0526	25	23	21	20	22	19	18	22	-
6VE1A0527	25	23	22	23	24	21	21	23	PRIN
PRODUCTION OF THE PARTY OF THE	25	20	25	22	21	20	22	23	Fire
6VE1A0529	25	20	22	19	17	20	19	22	Tottler
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			,						
HNTO	13601	13611	13630	136AQ	136AW	136BC	136EN	136FG	136SD
16VE1A0531	25	20	22	21	18	18	20	23	_
16VE1A0532		23	. 23	22	23	22	22	24	-
16VE1A0534		21	23	23	22	22	22	24	130
16VE1A0535		16	18	18	16	18	19	22	-
16VE1A0536	_	25	25	23	22	21	22	24	_
16VE1A0537	24	23	22	18	18	19	20	21	_
16VE1A0538	25	20	21	23	21		21	23	-
16VE1A0539	25	19	22	17	15	19	20	22	-
16VE1A0540	25	22	21	17	19	19	17	23	-
16VE1A0541	23	19	21	17	19	17	18	22	-
16VE1A0542	22	15	18	7	7	9	10	19	-
16VE1A0545	23	15	19	16	13	17	15	20	-
16VE1A0546	25	17	18	17	16	18	17	20	+
16VE1A0547	25	22	25	24	23	20	20	23	-
16VE1A0548	25	22	23	22	23	20	20	24	
16VE1A0549	25	21	21	21	19	19	21	23	+
16VE1A0551	25	22	22	19	21	17	21	23	-
16VE1A0553	25	20	2.0	18	17	17	19	22	
16VE1A0554	25	15	18	16	15	19	17	23	-
16VE1A0555	24	16	21	17	16	17	19	23	-
16VE1A0556	24	23	25	23	24	20	23	24	1
16VE1A0557	25	22	20	21	22	19	21	23	-
16VE1A0558	25	19	19	14	15	17	19	21	-
16VE1A0559	25	21	24	23	22	21	22	24	-
16VE1A0560	25	22	23	21	20	20	22	20	-
16VE1A0561	24	17	14	14	6	8	12	10	_
16VE1A0562	23	22	20	15	17	18	19	21	-
16VE1A0563	24	19	21	17	16	18	21	21	-
16VE1A0564	23	22	20	19	20	20	20	22	-
16VE1A0565	24	18	18	8	8	11	8	22	_
16VE1A0566	23	19	23	17	16	18	18	24	-
16VE1A0567	23	22	23	23	21	20	21	24	-
16VE1A0568	24	18	18	15	12	17,	12	14	-
16VE1A0569	25	24	25	22	21	22	23	23	_
16VE1A0570	25	23	23	19	17	20	20	23	_
16VE1A0571	25	21	20	19	15	21	18	22	_
6VE1A0572	24	21	18	16	12	19	17	20	_
6VE1A0574	23	17	16	14	14	16	14	21	-
6VE1A0575	25	22	23	21	17	20	21	23	PR
6VE1A0576	24	22	25	24	22	22	22 R	23	
6VE1A0578	24	22	25	21	18	21	23	23	- Tatt
6VE1A0579	24	24	22	24	22	21	21	22	_
6VE1A0580	25	22	25	24	22	23	24	24	_
6VE1A0581	24	22	25	21	19	18	19	23	-
6VE1A0582	25	23	25	21	19	19	22	24	_

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HNTO	13601	13611	13630	136AQ	136AW	136BC	136EN	136FG	136SD	
16VE1A0584	24	23	21	22	20		21			
16VE1A0585	24	20	22	21	17	18	- 21			
16VE1A0586	25	23	25	21	19	20	21	24	-	_
16VE1A0587	24	23	20	19	15	19	19		-	
16VE1A0588	23	22	20	19	17	9	20	21	-	
16VE1A0589	23	20	20	19	16	19	19			
16VE1A0590	23	23	18	17	18	21	17	22		
16VE1A0591	24	21	20	16	15	18	18	22		
16VE1A0592	25	19	15	15	11	18	13	18	-	
16VE1A0593	25	23	25	24	20	22	24	23		
16VE1A0594	24	22	25	18	17	17	18	21	-	
16VE1A0595	25	22	19	17	16	18	20	21		
16VE1A0596	23	23	25	21	19	19	23	22	-	
16VE1A0597	25	24	25	24	21	22	24	23	-	_
16VE1A0598	25	18	18	17	16	20	18		-	-
16VE1A0599	23	19	16	8	11	11	10	21	-	_
16VE1A05A0	25	18	20	15	14	17	14	13	-	
16VE1A05A1	24	20	14	14	16	16	13	19	-	
16VE1A05A2	25	19	18	17	14	17	15	18	-	
16VE1A05A3	22	21	14	7	10	10	7	11	-	
16VE1A05A4	25	20	20	15	17	19	18	23	-	
16VE1A05A5	25	23	25	22	18	21	18	22	-	
16VE1A05A6	24	18	14	16	15	17	14	20		
16VE1A05A7	23	21	17	17	14	20	16	21	-	
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16VE1A05B3	25	23	25	17	20	19	22	21	1_	
16VE1A05B6	25	22	25	23	19	19	20	24	-	
16VE1A05B7	24	17	14	14	14	15	12	13	-	
16VE1A05B8	25	23	20	21	20	21	23	23	-	
16VE1A05B9	24	22	18	14	15	17	15	18	_	
16VE1A05C1	25	18	15	15	17	15	17	18	-	
16VE1A05C3	25	23	20	19	23	21	22	22	-	
16VE1A05C6	25	17	14	14	3	0	8	8	-	
16VE1A05C7	25	18	17	12	19	17	19	20	_	
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16VE1A05C9 2	25	17	15	14	17	15	17	19	_	NOIPAL ASWED
and the second s	25	22	24	17	20	18	20	21	PRI	
A SOUND TO A SOURCE OF THE SECOND SEC	25	25	24	20	24	22	22	23		DE ENGG. & TECH
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	5	15	22	14	14	14	16	17	_	

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16VE1A05E		18	16	14	17	16	19	19	33"
16VE1A05E2		14	22	19	17	14	17	18	
16VE1A05E3		21	17	16	18	18	19	19	-
16VE1A05E4		19	24	16	18	17	18	20	-
16VE1A05E5		19	19	14	15	14		17	-
16VE1A05E6		18	17	14	17	15	21	17	-
16VE1A05E7		0	14	11	15	14	17	19	-
16VE1A05E8		22	20	20	21	20	22	21	-
16VE1A05E9		22	17	17	19	17	19	20	-
16VE1A05F0		20	20	15	17	14	17	19	-
16VE1A05F1	25	20	17	14	18	14	20	18	-
16VE1A05F2		19	14	14	18	14	18	19	-
16VE1A05F4	24	24	24	23	23	17	23	23	-
16VE1A05F5	24	21	23	15	18	14	21	19	-
16VE1A05F6	25	18	22	17	19	21	21	21	-
16VE1A05F7	25	18	16	17	17	16	21	20	-
16VE1A05F8	24	23	19	21	22	17	22	22	-
16VE1A05F9	24	15	24	16	16	12	20	17	-
16VE1A05G0	1	17	22	17	18	14	21	21	-
16VE1A05G1	24	21	16	17	18	14	20	18	-
16VE1A05G2	25	24	24	20	23	21	23	23	-
16VE1A05G4	25	23	22	15	21	14	18	19	-
16VE1A05G5	24	17	23	16	17	14	16	19	_
16VE1A05G6	24	15	14	14	15	14	15	15	-
16VE1A05G7	25	18	17	18	16	14	20	20	-
16VE1A05G8	25	7	24	14	17	12	19	17	-
16VE1A05G9	25	16	22	14	17	14	15	18	-
16VE1A05H0	25	18	22	14	17	12	19	18	-
16VE1A05H1	24	17	21	14	14	11-	13	15	_
6VE1A05H3	25	24	22	18	22	20	21	23	_
6VE1A05H4	25	18	22	14	18	20	18	19	- 0
6VE1A05H5	24	17	19	15	19	15	20	17	-
6VE1A05H6	25	22	24	21	23	19	21	22	_
6VE1A05H7	24	18	24	15	17	15	18	17	500
6VE1A05H8	25	25	24	23	25	22	23	24	-
6VE1A05H9	25	22	24	19	21	20	19	220	-38,6
6VE1A05J0	25	20	20	14	3	3	3	21	Tattia
6VE1A05J1	24	22	16	17	17	19	14	20	-
6VE1A05J2	25	24	20	18	21	19	20	22	-
6VE1A05J3	24	20	18	16	18	20	16	21	_
	25	19	17	15	16	19	17	17	_
	25	20	16	15	18	17	15	18	_
	24	22	23	17	17	19	17	18	_

ASUTES.
ICIPAL
TO THE ENGG. & TECH
Positive Indu Aranya,
Innaram, Hyderabad-68

			,						
HNTO	13601	13611	13630	136AQ	136AW	136BC	136EN	136FG	136SD
16VE1A05J7		24	20	19	21	21	20	20	
16VE1A05J8		16.		15	15	20	15	20	-
16VE1A05J9	25	18	16	13	16	18	17	20	143
16VE1A05K0		25	25	23	22	21	23	23	-
16VE1A05K		23	20	19	19	18	21	21	-
16VE1A05K3		24	25	18	22	21	21	21	-
16VE1A05K4		21	16	15	16	18		17	-
16VE1A05K5		24	20	19	22	20	21	21	-
16VE1A05K6		22	16	17	19	19	20	21	-
16VE1A05K7		18	20	15	17	18	17	19	_
16VE1A05K8		18	15	14	14	16	14	18	-
16VE1A05K9		14	14	14	16	18	15	18	-
16VE1A05L0	24	20	16	19	15	21	17	18	
16VE1A05L1	24	22	22	18	16	20	15	18	-
16VE1A05L2	24	14	16	18	15	16	16	16	-
16VE1A05L3	25	24	25	22	19	21	23	22	-
16VE1A05L4	25	21	25	17	16	21	22	21	-
16VE1A05L5	25	25	25	23	21	20	22	23	_
16VE1A05L7	25	19	20	20	18	20	22	21	-
16VE1A05L9	24	20	25	18	18	20	23	23	-
16VE1A05M1	25	18	20	20	18	20	22	19	-
16VE1A05M3		24	21	19	20	21	20	21	_
16VE1A05M6	25	23	20	17	18	21	20	22	-
16VE1A05M7		20	19	17	19	22	21	22	-
16VE1A05M9	25	20	22	18	18	18	21	21	-
16VE1A05N0	25	21	20	18	18	18	21	19	-
16VE1A05N1	25	24	24	23	21	13	23	20	-
16VE1A05N2	25	23	20	19	19	23	22	22	-
16VE1A05N3	25	22	21	21	21	25	22	23	-
16VE1A05N4	25	24	25	24	22	23	23	24	_
16VE1A05N5	24	20	19	17	19	18	20	18	_
6VE1A05N6	25	15	14	16	15	19	15	18	-
6VE1A05N7	25	20	20	23	18	21	19	20	-
6VE1A05N8	25	21	20	20	21	20	20	21	-
6VE1A05N9	24	16	20	19	14	19	18	19	-
6VE1A05P1	25	24	25	22	22	21	25	24	-
6VE1A05P3	25	15	16	15	14	18	16	17	-
6VE1A05P4	24	23	22	21	20	22	23	22	_
6VE1A05P5	24	18	20	14	14	20	18	16	-
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6VE1A05P8	24	18	21	15	15	20	17cm	20	19.111
6VE1A05P8 6VE1A05P9			21 18	15 18		20	-	20	9-38, F
6VE1A05P9	24	18			15 18 16	23	20	20 10	9-33, 1 3, Tatti
6VE1A05P9 6VE1A05Q0	24 25	18 18	18	18	18		20		9-33, 1 a, Tatti - 19

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HNTO	13601	13611	13630	136AQ	136AW	136BC	136EN	136FG	136SD
17VE5A0503	24	22	24	16	20	19	21	21	
17VE5A0504	25	23	24	16	21	21	21	22	-
17VE5A0505	25	20	25	19	14	22	21	21	-
Total:215	521 3	428 9	434 2	378 6	380 3	385 1	403 2	437 5	19

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

Subject Code	Subject Name
136AW	CRYPTOGRAPHY AND NETWORK SECURITY
136EN	WEB TECHNOLOGIES
13630	WEB TECHNOLOGIES LAB
13611	CRYPTOGRAPHY AND NETWORK SECURITY LAB
136AQ	COMPILER DESIGN
136BC	DESIGN PATTERNS
136FG	INTELLECTUAL PROPERTY RIGHTS
13601	ADVANCED ENGLISH COMMUNICATION SKILLS LAB
136SD	SCRIPTING LANGUAGES

Signature Of Principal with Date & Office seal

PRINCIPAL

SPEYAS INSTITUTE OF ENGG. & TECH 9-39, Sy. No. 107, Taltimmerzm (V). GSI, Bandlaguda, Nagole, Hys-55

Notice Board Copy Issued on: 9519 PRINCIPAL
SREYA DISTRICT OF ENGG. & TECH
Notice Board Copy, Buside Indu Aranya,
Removed on: 2015 Pannaram, Hyderabad-68



Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R15 - IV Year - II Semester
CIVIL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.14.09

HNTO		12834		12849	n I	128AZ		128DV		128FR
14VE1A013	8	30		30		5		3		0
15VE1A010	3	34		35		18		14		14
15VE1A010	4	39		39		18		14		15
15VE1A010	7	33		32		10		10		8
15VE1A010	8	34		34		18		14		14
15VE1A0109	9	44		43		19		18		16
15VE1A011	1	35		36		16		14		14
15VE1A0114	1	46		47		21		20		18
15VE1A0117	7	43		46		20		20		19
15VE1A0118	3 4	47		48		22		19		22
15VE1A0120	1 4	40		42		20		18		21
15VE1A0123	4	10		41		16		16		16
15VE1A0125	4	18		49	1	21		16		20
15VE1A0126	4	17		48		16		15		18
15VE1A0128	4	11		43		7		15		16
15VE1A0130	3	34		32	1	5	Ţ,	14		15
15VE1A0132	4	4		42	1	9		17		17
15VE1A0134	3	9	1	38	1	6		15.	-	12
15VE1A0135	3	8	1	39	1	5	1	14	1	14
15VE1A0139	4	5	4	14	2	0	1	6	_	18
15VE1A0140	3	9	3	36	1	6	1	6	7	18
15VE1A0142	4	2	3	36	1	7	1	4	7	18
15VE1A0143	4:	3	4	10	1	8	1	5		17
15VE1A0146	49	9	4	8	1	9	2	0	1	21
15VE1A0148	40	)	4	7	1	3	1	7		9
16VE5A0101	48	3	4	9	20	)	1	9		2
16VE5A0102	45	5	4	8	15	3	2			8
16VE5A0103	39	)	4	2	19	3	18			4
16VE5A0104	46		4	7	20		19			0
16VE5A0105	47		4		19		20			9
4 01 100 1	42		4		18		17		1	
16VE5A0107	40		42		18		16			_

PRINCIPASURED OF ENGG. & TOCH D.No. 9-39, Beside Indu Aranya, Bandlaguda, Tattiannaram, Hyderabad-68

HNTO	12834	12849	128AZ	128DV	128ER
16VE5A0108	40	40	16	17	13
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16VE5A0110	41	39	19	16	15
16VE5A0111	43	44	19	17	15
16VE5A0112	41	42	16	15	17
16VE5A0113	42	39	15	15	15
16VE5A0114	41	44	18	15	18
16VE5A0115	37	36	15	14	15
Total:40	165 3	166 4	701	640	651

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

Subject Code	Subject Name
12834	PROJECT WORK
128DV	PRESTRESSED CONCRETE STRUCTURES
12849	SEMINAR
128AZ	CONSTRUCTION MANAGEMENT
128ER	SOLID WASTE MANAGEMENT

#### Signature Of Principal with Date & Office seal

PRINCIPAL.

SREYAS INSTITUTE OF ENGG. & TECH
9-39, Sy. No. 107, Tuitizarieram (V).
GSI, Bandlaguda, Nagole, Hyd-68

Notice Board Copy Issued on: 9 15 19 PRINCIPAL

SREVAR USERFULT OF ENGG. & TECH
D.No. 9-39, Beside Indu Aranya,
Bandlaguda, Tattiannaram, Hyderabad-68

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Removed on: 24 Y 19



Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R15 - IV Year - II Semester
MECHANICAL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.14.01

14VE1A0395         46         46         19         16         10           15VE1A0301         45         47         25         23         24           15VE1A0304         43         43         20         18         15           15VE1A0305         49         49         19         17         18           15VE1A0306         49         48         23         21         21           15VE1A0307         48         47         21         20         22           15VE1A0310         48         44         20         20         19           15VE1A0311         49         46         19         21         20           15VE1A0312         50         50         25         23         24           15VE1A0313         48         47         24         22         22           15VE1A0314         48         47         15         16         17           15VE1A0315         48         48         19         16         18           15VE1A0316         44         44         25         23         21           15VE1A0320         48         48         25         19         21 </th <th>HNTO</th> <th>12837</th> <th>12851</th> <th>128DT</th> <th>128DZ</th> <th>128EE</th>	HNTO	12837	12851	128DT	128DZ	128EE
15VE1A0304 43 43 20 18 15 15VE1A0305 49 49 19 17 18 15VE1A0306 49 48 23 21 21 15VE1A0307 48 47 21 20 22 15VE1A0309 47 45 17 15 15 15VE1A0310 48 44 20 20 19 15VE1A0311 49 46 19 21 20 15VE1A0312 50 50 25 23 24 15VE1A0313 48 47 24 22 22 15VE1A0314 48 47 15 16 17 15VE1A0315 48 48 19 16 18 15VE1A0316 44 44 25 23 21 15VE1A0318 48 49 24 20 22 15VE1A0319 48 48 25 19 21 15VE1A0320 48 48 25 19 21 15VE1A0321 49 47 25 20 22 15VE1A0322 48 48 25 23 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0332 49 45 24 20 21 15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0342 50 50 22 19 18	14VE1A0395	46	46	19	16	10
15VE1A0305         49         49         19         17         18           15VE1A0306         49         48         23         21         21           15VE1A0307         48         47         21         20         22           15VE1A0309         47         45         17         15         15           15VE1A0310         48         44         20         20         19           15VE1A0311         49         46         19         21         20           15VE1A0312         50         50         25         23         24           15VE1A0313         48         47         24         22         22           15VE1A0314         48         47         15         16         17           15VE1A0315         48         48         19         16         18           15VE1A0316         44         44         25         23         21           15VE1A0318         48         49         24         20         22           15VE1A0320         48         48         25         19         21           15VE1A0322         48         48         25         23         22 </td <td>15VE1A0301</td> <td>45</td> <td>47</td> <td>25</td> <td>23</td> <td>24</td>	15VE1A0301	45	47	25	23	24
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15VE1A0311 49 46 19 21 20 15VE1A0312 50 50 25 23 24 15VE1A0313 48 47 24 22 22 15VE1A0314 48 47 15 16 17 15VE1A0315 48 48 19 16 18 15VE1A0316 44 44 25 23 21 15VE1A0319 48 48 25 19 21 15VE1A0320 48 48 25 19 22 15VE1A0321 49 47 25 20 22 15VE1A0322 48 48 25 19 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0330 45 45 18 15 16 15VE1A0333 47 47 25 20 21 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0340 48 48 20 19 22 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0309	47	45	17	15	15
15VE1A0312 50 50 25 23 24 15VE1A0313 48 47 24 22 22 15VE1A0314 48 47 15 16 17 15VE1A0315 48 48 19 16 18 15VE1A0316 44 44 25 23 21 15VE1A0319 48 48 25 19 21 15VE1A0320 48 48 25 19 22 15VE1A0321 49 47 25 20 22 15VE1A0322 48 48 25 23 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0330 45 45 18 15 16 15VE1A0333 47 47 25 20 21 15VE1A0335 48 48 24 20 21 15VE1A0336 49 49 23 18 20 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0310	48	44	20	20	19
15VE1A0313 48 47 24 22 22 15VE1A0314 48 47 15 16 17 15VE1A0315 48 48 19 16 18 15VE1A0316 44 44 25 23 21 15VE1A0318 48 49 24 20 22 15VE1A0319 48 48 25 19 21 15VE1A0320 48 48 25 19 22 15VE1A0321 49 47 25 20 22 15VE1A0322 48 48 25 23 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0338 47 48 22 15 15 15VE1A0330 45 45 18 15 16 15VE1A0333 47 47 25 20 21 15VE1A0333 47 47 25 20 21 15VE1A0336 49 49 23 18 20 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0311	49	46	19	21	20
15VE1A0314 48 47 15 16 17 15VE1A0315 48 48 19 16 18 15VE1A0316 44 44 25 23 21 15VE1A0318 48 49 24 20 22 15VE1A0319 48 48 25 19 21 15VE1A0320 48 48 25 19 22 15VE1A0321 49 47 25 20 22 15VE1A0322 48 48 25 23 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0328 47 48 22 15 15 15VE1A0330 45 45 18 15 16 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0312	50	50	25	23	24
15VE1A0315 48 48 19 16 18 15VE1A0316 44 44 25 23 21 15VE1A0318 48 49 24 20 22 15VE1A0319 48 48 25 19 21 15VE1A0320 48 48 25 19 22 15VE1A0321 49 47 25 20 22 15VE1A0322 48 48 25 23 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0328 47 48 22 15 15 15VE1A0330 45 45 18 15 16 15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0313	48	47	24	22	22
15VE1A0316         44         44         25         23         21           15VE1A0318         48         49         24         20         22           15VE1A0319         48         48         25         19         21           15VE1A0320         48         48         25         19         22           15VE1A0321         49         47         25         20         22           15VE1A0322         48         48         25         23         22           15VE1A0325         49         49         23         22         22           15VE1A0326         50         50         22         23         22           15VE1A0332         49         45         24         20         21           15VE1A0333         47         47         25         20         23           15VE1A0333         47         47         25         20         21           15VE1A0334         50         50         25         20         21           15VE1A0335         48         48         24         21         23           15VE1A0336         49         49         23         18         20 </td <td>15VE1A0314</td> <td>48</td> <td>47</td> <td>15</td> <td>16</td> <td>17</td>	15VE1A0314	48	47	15	16	17
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15VE1A0321 49 47 25 20 22 15VE1A0322 48 48 25 23 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0328 47 48 22 15 15 15VE1A0330 45 45 18 15 16 15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0319	48	48	25	19	21
15VE1A0322 48 48 25 23 22 15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0328 47 48 22 15 15 15VE1A0330 45 45 18 15 16 15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0320	48	48	25	19	22
15VE1A0325 49 49 23 22 22 15VE1A0326 50 50 22 23 22 15VE1A0328 47 48 22 15 15 15VE1A0330 45 45 18 15 16 15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0321	49	47	25	20	22
15VE1A0326     50     50     22     23     22       15VE1A0328     47     48     22     15     15       15VE1A0330     45     45     18     15     16       15VE1A0332     49     45     24     20     21       15VE1A0333     47     47     25     20     23       15VE1A0334     50     50     25     20     21       15VE1A0335     48     48     24     21     23       15VE1A0336     49     49     23     18     20       15VE1A0337     47     48     18     15     18       15VE1A0340     48     48     20     19     22       15VE1A0342     50     50     22     19     18	15VE1A0322	48	48	25	23	22
15VE1A0328 47 48 22 15 15 15VE1A0330 45 45 18 15 16 15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0325	49	49	23	22	22
15VE1A0330 45 45 18 15 16 15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0326	50	50	22	23	22
15VE1A0332 49 45 24 20 21 15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0328	47	48	22	15	15
15VE1A0333 47 47 25 20 23 15VE1A0334 50 50 25 20 21 15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0330	45	45	18	15	16
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15VE1A0335 48 48 24 21 23 15VE1A0336 49 49 23 18 20 15VE1A0337 47 48 18 15 18 15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0333	47	47	25	20	23
15VE1A0335     48     48     24     21     23       15VE1A0336     49     49     23     18     20       15VE1A0337     47     48     18     15     18       15VE1A0340     48     48     20     19     22       15VE1A0342     50     50     22     19     18	15VE1A0334	50	50	25	20	21
15VE1A0336     49     49     23     18     20       15VE1A0337     47     48     18     15     18       15VE1A0340     48     48     20     19     22       15VE1A0342     50     50     22     19     18	15VE1A0335	48	48	24	21	
15VE1A0337     47     48     18     15     18       15VE1A0340     48     48     20     19     22       15VE1A0342     50     50     22     19     18	15VE1A0336	49	49	23	18	
15VE1A0340 48 48 20 19 22 15VE1A0342 50 50 22 19 18	15VE1A0337	47	48	18	15	
15VE1A0342 50 50 22 19 18	15VE1A0340	48				
	15VE1A0342	50				
	15VE1A0343	49	49			



HNTO	12837	12851	128DT	128DZ	128EE
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15VE1A0393	44	46	22	20	19
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	45	45	24	19	22
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PRINCIPAL

HNTO	12837	12851	128DT	128DZ	128EE
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16VE5A0321	50	50	25	22	24
6VE5A0322	47	47	21	20	21
6VE5A0323	50	49	25	23	22
6VE5A0324	48	48	24	22	22
6VE5A0325	49	49	22	21	22
otal:98	465 1	462 0	216	197 4	199 6

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

Subject Name Bandlaguda, Tattiannaram, Hyderabad
Subject Name
PROJECT WORK
PRODUCTION PLANNING AND CONTROL
SEMINAR

128DT PLANT LAYOUT AND MATERIAL HANDLING 128EE RENEWABLE ENERGY SOURCES

Signature Of Principal with Date & Office seal

SPEYAS INSTITUTE OF COOR & TECH 9-39, Sy. No. 107, Talliomarant (V). GSI, Bandlaguda, Nagole, Hyd-98

Notice Board Copy Issued on: als (a)

Notice Board Copy Removed on: 24 19



Sreyas Institute Of EngineeringandTechnology(VE)

B.Tech - R15 - IV Year - II Semester

ELECTRONICS AND COMMUNICATION ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.13.54

HNTO	12869	12870	128EA	128EK	128FH
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14VE1A04E9	-1	-1	0	0	0
14VE1A04H6	41	37	15	16	17
14VE1A04P8	-1	-1	0	0	0
15VE1A0401	50	47	18	24	19
15VE1A0402	47	46	21	23	24
15VE1A0403	46	40	20	21	18
15VE1A0404	44	43	17	22	18
15VE1A0405	42	38	16	19	16
15VE1A0406	41	46	18	22	20
15VE1A0407	43	48	16	20	15
15VE1A0408	41	42	18	21	17
15VE1A0409	40	46	17	20	18
15VE1A0410	50	48	16	21	15
15VE1A0411	41	42	18	19	16
15VE1A0412	50	46	19	24	19
15VE1A0413	50	45	14	21	19
15VE1A0414	49	42	19	21	19
15VE1A0415	43	41	16	20	16
15VE1A0416	47	40	18	23	20
15VE1A0418	43	42	17	20	17
15VE1A0419	46	38	16	21	17
15VE1A0420	44	44	16	24	20
15VE1A0421	50	44	18	25	19
15VE1A0423	41	38	15	20	15
15VE1A0424	46	38	17	15	14
15VE1A0425	46	48	17	23	18 R
5VE1A0427	44	40	16	19	14
5VE1A0428	46	41	15	20	16
5VE1A0429	44	45	15	18	15
	47	40	14	17	14
	49	43	17	20	19

PRINCIPAL

YAT IN THE OF ENGG. & TECH
D.No. 9-39, pesido Indu Aranya,
rileguda, Tattiannaram, Hyderabad-68

2-85

HNTO	12869	12870	128EA	128EK	128FH
15VE1A0432	48	48	16	22	21
15VE1A0433	47	50	17	20	16
15VE1A0434	46	40	17	19	15
15VE1A0436	46	42	18	24	19
15VE1A0437	-1	-1	0	0	3
15VE1A0438	39	36	15	16	15
15VE1A0439	50	50	17	22	18
15VE1A0440	44	47	18	23	18
15VE1A0441	41	40	20	23	20
15VE1A0442	44	45	16	21	18
15VE1A0444	48	46	17	24	20
15VE1A0445	48	50	14	18	14
15VE1A0446	41	40	14	19	18
15VE1A0447	48	42	17	21	17
15VE1A0448	44	38	16	18	15
15VE1A0449	44	42	18	21	19
15VE1A0450	45	40	15	20	16
15VE1A0451	47	41	21	23	18
15VE1A0452	41	40	16	20	18
15VE1A0453	41	40.	16	22	18
15VE1A0454	39	38	14	17	14
15VE1A0455	46	42	17	17	14
15VE1A0456	42	40	15	18	14
15VE1A0458	45	48	15	20	15
15VE1A0459	47	44	16	23	20
15VE1A0461	32	42	14	16	15
15VE1A0462	44	48	17	20	19
15VE1A0463	30	35	10	10	10
15VE1A0464	47	49	22	20	22
15VE1A0465	34	40	15	16	15
15VE1A0466	48	50	24	22	23
15VE1A0467	50	50	22	21	24
15VE1A0468	47	47	19	19.	23
15VE1A0470 15VE1A0471	44	44	18	17	18
15VE1A0471	36	46	19	22	21
	43	42	18	19	19
15VE1A0474 15VE1A0476	46	40	18	19	18
The second secon	44	45	22	22	22
15VE1A0477	42	48	21	19	20
15VE1A0480	42	44	17	21	18
15VE1A0482	44	42	24	21	24
15VE1A0483	42	45	22	21	19
15VE1A0484	43	48	20	20	19
15VE1A0485	49	50	22	22	22
15VE1A0486	48	42	23	21	21

PRINCIA SURELL
THE FINGS & TECH
TO BOOK PESSON INCOMPANYS,
THE THE THE PROPERTY OF THE PROPERT

30.5

HNTO		12869		12870		128EA		128EK		128FH
15VE1A048	7	42		42		22		21		22
15VE1A048	8	46		44		17		20		20
15VE1A048	9	31		39		15		16		17
15VE1A049	0	37		42		21		20		19
15VE1A049	1	44		46		19		20		21
15VE1A0492	2	41		45		21		20		18
15VE1A0493	3	46		49		23		22		19
15VE1A0494	4	43		44		22		21		21
15VE1A0495	5	49		50		24		25		24
15VE1A0496	3	47		47		18		22		21
15VE1A0497	7	33		35		17	7	19		17
15VE1A0498	3	44		35		14		18		15
15VE1A0499	)	36	1	39		16		19		17
15VE1A04A0		45		48		20		21		21
15VE1A04A1	1	43		35		14		17		15
15VE1A04A2		46		12		21		19		17
15VE1A04A3		47		19		23	_	24		24
15VE1A04A4	. 4	10	$\neg$	39		15		18		18
15VE1A04A5	, 4	18	5	50		22		22		23
15VE1A04A6	1	12	7	4		19		17		17
15VE1A04A7	1	14	4	4		7		19		21
15VE1A04A8	4	6	4	6	2	21		19		19
15VE1A04A9	3	33	4	0	1	5		6		13
15VE1A04B0	4	7	4	4	1	5		6	7	17
15VE1A04B1	3	2	3	5	1	5	1	5		15
15VE1A04B2	4	4	4	2	1	5	1	7		6
15VE1A04B3	4	9	4	9	1	9	2	0	2	21
15VE1A04B4	4	4	4	3	1	8	1	9		7
15VE1A04B5	4	9	5	0	2	2	2	2	2	1
15VE1A04B6	4	4	3	5	1	6	1	4		4
15VE1A04B7	4	00	4	1	1	7	2	0	1	9
15VE1A04B8	4	0	4	4	2	1	1	9	1	8
15VE1A04B9	4	7	48	8	2	1	2	3	2	1
15VE1A04C1	3	5	3	5	2	0	1	4	1	6
15VE1A04C2	50	0	50	)	2	1	2	0	2	0
15VE1A04C3	49	9	50	)	1	5	18	8	1	5
15VE1A04C4	-1		-1		1	5	1	7	1	6
15VE1A04C5	35	5	43	3	17	7	19	9	1	5
15VE1A04C6	40	)	45	5	22	2	17	7	11	6
15VE1A04C7	50	)	50	)	23	3	23	3	2	1
15VE1A04C8	50	)	50	)	24	1	24		2	
15VE1A04C9	47	7	43	}	18	3	23		17	
15VE1A04D0	46		39		22		22		17	
15VE1A04D1	47		45		21		21		18	
15VE1A04D2	41		40		19		17		15	

PRINCIPAL
AS PERSON TO SENGE, & TECH
D.No. S. S. Sesses Indu Aranya,
Learners Tarlannaram, Hyderabad-68

HNTO	12869	12870	128EA	128EK	128FH
15VE1A04D3	45	46	19	21	17
15VE1A04D4	46	40	18	20	19
15VE1A04D5	43	41	15	17	16
15VE1A04D6	47	50	22	24	22
15VE1A04D8	45	48	23	23	21
15VE1A04D9	47	45	18	20	16
15VE1A04E0	48	50	22	22	20
15VE1A04E1	34	33	11	9	11
15VE1A04E2	35	43	19	18	21
15VE1A04E4	38	42	20	21	20
15VE1A04E5	50	50	24	25	23
15VE1A04E6	50	26	16	16	15
15VE1A04E8	48	50	23	21	19
15VE1A04E9	40	50	24	22	22
15VE1A04F0	47	48	19	20	19
15VE1A04F1	45	49	22	22	21
15VE1A04F2	50	46	23	22	19
15VE1A04F3	41	44	18	20	18
15VE1A04F4	50	48	21	20	23
15VE1A04F5	49	40	23	24	22
15VE1A04F7	48	50	23	23	21
15VE1A04F8	42	46	23	22	20
15VE1A04F9	40	34	20	20	20
15VE1A04G0	37	45	17	20	18
15VE1A04G1	44	48	20	19	18
15VE1A04G2	43	45	21	18	19
15VE1A04G3	50	42	20	20	18
15VE1A04G4	43	43	14	16	15
15VE1A04G5	45	45	23	24	22
15VE1A04G6	50	50	24	23	21
	49	44	20	19~	18
	49	45	18	19	18
	46	40	19	19	20
	44	45	21	21	21
	48	45	19	22	23
and the second s	50	46	22	25	20
	50	48	20	17	20
	41	45	18	20	17
	50	44	19	21	16
	44	37	22	18	19
	46	38	19	20	17
	45	42	20	22	20
	41	45	19	16	148R
	44	40	17	16	14
15VE1A04J4	45	42	19	16	21

PRINCIPA SUSCIPATION OF ENGG. & TECH D.No. 9-30, Beside Indu Aranya, Indianuda, Tattiannaram, Hyderabad-68

35.5

HNTO	12869	12870	128EA	128EK	128FH
15VE1A04J5	48	49	16	19	18
15VE1A04J6	47	42	16	15	14
15VE1A04J7	43	46	23	21	18
15VE1A04J8	50	50	22	22	21
15VE1A04J9	38	44	20	20	18
15VE1A04K0	44	46	21	18	20
15VE1A04K1	46	45	18	18	19
15VE1A04K2	43	40	18	18	16
15VE1A04K3	50	50	19	21	17
15VE1A04K4	45	46	20	20	20
15VE1A04K5	42	46	17	16	15
15VE1A04K6	42	47	16	18	15
15VE1A04K7	44	49	17	17	14
15VE1A04K8	46	49	17	20	16
15VE1A04K9	43	35	16	17	16
15VE1A04L0	44	46	21	19	20
15VE1A04L1	44	44	16	17	16
15VE1A04L2	48	45	22	20	21
15VE1A04L3	43	46	17	18	17
15VE1A04L4	-1	-1	0	0	0
15VE1A04L5	-1	-1	0	0	0
15VE1A04L6	43	41	14	15	14
15VE1A04L7	48	46	23	23	21
15VE1A04L9	47	45	17	17	14
15VE1A04M0	44	43	15	17	15
15VE1A04M1	49	42	19	18	18
15VE1A04M2	42	35	17	16	19
15VE1A04M3	50	49	19	20	23
15VE1A04M4	44	46	17	16	19
15VE1A04M5	40	39	17	15	16
	44	45	21	18	23
	40	43	19	15	20
	49	48	21	21	20
15VE1A04M9	44	45	17	16	15RE
15VE1A04N0	45	42	19	19	18
15VE1A04N1	42	38	17	16	15
15VE1A04N2	42	46	20	19	20
15VE1A04N4	45	44	20	19	18
15VE1A04N5	49	47	18	19	19
	39	35	14	15	14
15VE1A04N7	40	35	18	17	17
15VE1A04N8	46	44	21	20	20
15VE1A04N9	46	40	19	17	17
15VE1A04P0	38	36	15	15	14
15VE1A04P1 4	10	37	16	14	15

PRINCIPAL
PRINCIPAL
DINO. 9-39, Beside Indu Aranya,
Principal
Tattiannaram, Hyderabad-68

	HNTO	12869	12870	128EA	128EK	128FH
	15VE1A04P2	47	45	23	22	22
	15VE1A04P3	44	42	14	10	13
	15VE1A04P4	48	48	18	16	16
	15VE1A04P6	40	36	17	18	17
	15VE1A04P7	46	45	20	20	20
	15VE1A04P9	40	38	14	15	14
	15VE1A04Q0	46	44	17	19 4	18
	16VE5A0402	50	43	18	22	15
	16VE5A0403	43	38	15	21	18
	16VE5A0404	43	37	17	22	20
4	16VE5A0406	40	35	18	18	15
	16VE5A0407	42	40	17	20	17
	16VE5A0408	42	41	17	23	18
	16VE5A0409	44	45	20	22	17
	16VE5A0410	43	42	18	23	17
	16VE5A0411	44	40	16	19	15
	16VE5A0412	40	36	14	15	14
	16VE5A0414	36	40	20	16	19
	16VE5A0415	36	42	16	18	17
	16VE5A0416	40	40	19	18	18
	16VE5A0417	44	46	20	18	19
	16VE5A0418	36	44	20	21	22
	16VE5A0419	44	40	20	20	21
	16VE5A0421	38	42	20	17	20
	16VE5A0422	37	43	20	20	19
	16VE5A0423	44	48	22	23	21
	16VE5A0424	45	44	22	24	20
	16VE5A0425	43	47	15	22	14
	16VE5A0426	45	46	20	22	20
	16VE5A0427	35	44	19	21	17
	16VE5A0428	46	45	19 *	24	16
	16VE5A0429	40	45	17	21	17
	16VE5A0430	49	40	19	23	20
	16VE5A0431	43	42	21	24	22
	16VE5A0432	36	41	19	19.	17
	16VE5A0433	40	38	18	20	19
	16VE5A0434	38	42	22	24	20
	16VE5A0436	48	40	20	19	15
	16VE5A0437	46	50	15	15	15_Y
	16VE5A0438	43	42	19	19	20
	16VE5A0439	50	49	21	22	21
	16VE5A0440	46	40	16	19	16
T	16VE5A0441	49	41	19	21	16
r	16VE5A0442	46	44	20	21	17
-	16VE5A0443	40	40	18		

PRINCIPA SUPLEM IS IN THE OF ENGG. & TECH INO. 9-29, Desice Indu Aranya, Induda, Tattiannaram, Hyderabad-68

HNTO	12869	12870	128EA	128EK	128FH
16VE5A0444	44	40	17	16	16
16VE5A0445	42	38	16	17	16
16VE5A0446	44	38	16	19	17
16VE5A0447	43	39	15	16	16
16VE5A0448	40	42	15	18	17
Total:262	112 12	110 60	472 7	501	464

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

Subject Code	Subject Name
12869	MAJOR PROJECT
128FH	DIGITAL SIGNAL PROCESSORS AND
128EK	ARCHITECTURES
128EA	SATELLITE COMMUNICATIONS RADAR SYSTEMS
12870	SEMINAR

Signature Of Principal with Date & Office seal

SPEYAS INSTITUTE OF ENGG. & TECH 9-39, Sy. No. 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68

Notice Board Copy Issued on: alx(19 PRINCIPALES PREYAS INC. & TECH
D.No. 19-10 Flushing Indu Aranya,
D.No. 19-

Notice Board Copy, Removed on: 24/5/19



## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Sreyas Institute Of EngineeringandTechnology(VE)
B.Tech - R15 - IV Year - II Semester
COMPUTER SCIENCE AND ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2019-05-08 16.13.45

HNTO	12838	12852	128CR	128ET	128FD
14VE1A0554	42	42	9	21	21
14VE1A05A9	38	35	16	16	15
15TQ1A0582	45	46	18	19	20
15VE1A0501	42	40	12	15	14
15VE1A0503	44	42	17	23	20
15VE1A0504	44	48	18	21	20
15VE1A0505	48	49	23	23	24
15VE1A0506	42	42	18	18	20
15VE1A0507	44	47	19	22	21
15VE1A0509	45	47	19	23	23
15VE1A0510	46	48	21	23	22
15VE1A0511	40	39	16	19	19
15VE1A0512	45	48	21	23	23
15VE1A0513	48	49	23	23	24
15VE1A0514	45	46	18	21	23
15VE1A0515	40	38	13	19	15
15VE1A0516	44	47	20	23	22
15VE1A0517	45	47	21	24	23
15VE1A0519	44	46	20	22	22
15VE1A0520	45	48	19	22	20
15VE1A0521	43	47	15	19	18
15VE1A0522	44	47	17	20	17
15VE1A0523	48	49	23	23	24
15VE1A0524	45	40	19	21	21
15VE1A0525	40	40	15	17	14
15VE1A0526	44	48	22	23	24
15VE1A0527	39	40	17	14	12
15VE1A0528	38	40	18	20	19
The second of the second of the second	39	41	17	20	18
PERSONAL PROPERTY AND ADDRESS OF THE PERSON	42	40	21	21	23
	10	45	21	21	20
	13	48	20	23	23

PRINCIPULES SREYAS INSTITUTE OF ENGG. & TECH DING. 9-39, Beside Indu Aranya, Bandlaguda, Tattiannaram, Hyderabad-68

	_				
HNTO	2838	12852	128CR	28ET	28FD
15VE1A0535	4-	48	22	-	
15VE1A0535	_	47	23	23	24
15VE1A0537		48	23	23	
15VE1A0537		42	19	21	23
15VE1A0539		48	21	22	20
15VE1A0541	42	47	18	19	18
15VE1A0541	44	47	18	00	0.4
15VE1A0543	43	46	19	22	20
15VE1A0544	42	44	18	22	21
15VE1A0545	45	48	21	22	21
15VE1A0546	45	48	19	23	24
15VE1A0547	44	47	22	23	22
15VE1A0548	45	46	19	22	20
15VE1A0549	44	48	22	23	24
15VE1A0550	43	47	21	23	22
15VE1A0551	44	48	22	23	22
15VE1A0553	45	47	22	22	22
15VE1A0554	45	46	20	22	19
15VE1A0555	43	47	19	23	23
15VE1A0556	44	45	19	22	21
15VE1A0557	44	45	18	21	22
15VE1A0558	45	44	21	23	22
15VE1A0559	45	43	20	21	22
15VE1A0561	44	46	20	24	18
15VE1A0562	36	38	16	14	16
15VE1A0563	42	40	18	14	18
15VE1A0564	45	45	20	20	19
15VE1A0567	44	45	20	19	20
15VE1A0568	48	47	22	23	23
15VE1A0569	46	48	25	23	23
15VE1A0570	45	48	22	23-	22
15VE1A0571	46	49	24	23	24
15VE1A0572	45	47	21	21	19
15VE1A0573	44	47	21	22	21
15VE1A0574	45	45	20	19	18
15VE1A0576	45	45	18	22	19
15VE1A0577	44	47	20	20	16
15VE1A0578	45	48	22	23	23 S
15VE1A0580	44	40	19	17	19
15VE1A0581	43	42	20	19	20
15VE1A0582	42	38	18	15	13
15VE1A0583	43	45	19	19	20
15VE1A0584	44	44	19	20	19
15VE1A0586	45	48	22	23	23
15VE1A0587	45	46	23	22	21

PRINCIPAL
REYAS TO ASULUT NGG. & TECH
D.No. 9-59, Beside to Arranya,
andlaguda, Tattiannaram, Hyderabad-68

HNTO	12838	12852	128CR	128ET	128FD
15VE1A0588	3 43	42	21	19	22
15VE1A0589	45	47	20	18	22
15VE1A0590	45	48	25	23	23
15VE1A0591	48	46	23	23	25
15VE1A0592	47	47	17	20	18
15VE1A0593	3 46	46	24	23	24
15VE1A0594	48	45	24	23	24
15VE1A0595	45	42	17	16	15
15VE1A0596	44	47	21	22	21
15VE1A0597		44	21	20	18
15VE1A0598	44	48	23	23	22
15VE1A0599	45	47	23	22	22
15VE1A05A0	45	46	21	19	21
15VE1A05A1	45	47	24	22	23
15VE1A05A2	43	45	22	23	21
15VE1A05A3	45	47	22	23	22
15VE1A05A4	46	48	25	23	24
15VE1A05A5	47	48	22	24	22
15VE1A05A6	46	47	18	18	18
15VE1A05A8	47	48	25	23	22
15VE1A05A9	45	47	22	20	17
15VE1A05B1	46	46	23	21	20
15VE1A05B2	45	46	21	18	15
15VE1A05B3	44	45	22	20	17
15VE1A05B4	46	45	19	20.	18
15VE1A05B5	47	46	24	23	23
15VE1A05B6	48	48	22	23	24
15VE1A05B7	47	47	23	24	22
15VE1A05B9	45	44	18	17	16
15VE1A05C0	46	47	23	23	22
15VE1A05C2	48	46	20	18	18
15VE1A05C3	45	45	18	21	22
15VE1A05C4	48	48	21	22	22
15VE1A05C5	46	47	22	23	22
15VE1A05C6	49	48	24	23	24
	48	45	21	23	22
15VE1A05C9	49	48	22	22	20
	46	47	19	21	21
	30	38	13	14	12
	48	46	21	23	19
	48	47	21	23	20
4 = 1 4 = -	46	45	21	23	22
	10000	47	23	23	23
		47	21	22	21
15VE1A05E0	42	44	18	20	19

PRINCIA SURE PECH EYAR BENEVE OF ENGG & FECH D.No. BENEVE MOR. Aranya, Telliannaram, Hyderabad-68

HNTO		12838		12852		128CR		128ET		128FD
15VE1A05E	1	43		45		21		22		20
15VE1A05E	2	44		45		23		23		22
15VE1A05E3	3	42		44		22		23		23
15VE1A05E4	4	43		44		19		21		19
15VE1A05E	5	44		46		24		24		21
15VE1A05E6	3	49		45		24		22		21
15VE1A05E7	7	46		44		20		21	,	16
15VE1A05E9	9	41		43		17		170	-	17
15VE1A05F0	)	46		46		20		22		21
15VE1A05F2		49		48		23		22		23
15VE1A05F4		48		47		19		21		20
15VE1A05F5		40		38		18		18		23
15VE1A05F6		48		47		22		22		21
15VE1A05F7	4	12		46		20		23		19
15VE1A05F8	4	19		47		23		23		23
15VE1A05F9	4	17		45		22		23		22
15VE1A05G0	1	17		47		19		19		16
15VE1A05G1	4	10		40		19	1	21		18
15VE1A05G2	1	10	4	42	1	20	1	23	1	21
15VE1A05G3	4	13	4	43	1	22	2	24	1	22
15VE1A05G4	4	3	4	45	1	20	2	23	1	21
15VE1A05G5	4	5	4	44	2	23	2	24	2	20
15VE1A05G6	4	8	4	47	2	24	2	24	2	24
15VE1A05G7	4	0	4	15	1	15	2	21	1	17
15VE1A05H0	4	8	4	18	2	23	2	23	2	21
15VE1A05H1	4	8	4	17	2	22	2	23	2	23
15VE1A05H2		6		16	2	20	2	23	2	21
15VE1A05H3	4		$\overline{}$	2		9		9	1	7
15VE1A05H5	4			6		3	2	4		22_
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15VE1A05H8	4			6		4		3		1_
15VE1A05H9	4			4		1	1	2		0
15VE1A05J0	4			5	2		2			6
15VE1A05J1	4	41		7	2	7	2			3
15VE1A05J2	4		4		2		2			2_
15VE1A05J3	43		4		2		1			2
	45		4		2		2		2	
	43		4		1		2		2	
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	42		3		1		14		11	
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15VE1A05K4	43	,	46	5	2	1	23	3	2	2

PRINASIULE TECH IN 9-53, Besido Indu Aranya, Ida, Tattiannaram, Hyderabad-68

HNTO		12838		12852		128CR		128FT		128FD
15VE1A05K	5	44		45		20		19	)	23
15VE1A05K	6	46		45		21		23	}	23
15VE1A05K	9	43		42		14		16		15
15VE1A05L0	0	46		46		24		21		23
15VE1A05L	1	45		46		21		21		22
15VE1A05L2	2	46		47		25		24		24
15VE1A05L3	3	43		42		20		2,1	ļ.	21
15VE1A05L4	1	44		48		24		22		24
15VE1A05L5	5 4	42		40		18		19		21
15VE1A05L6	1	43		44		21		23		23
15VE1A05L7	2	45	4	46		24		22		23
15VE1A05L8	4	13	4	12		19		17		20
15VE1A05L9	1	16	4	17		22		23		23
15VE1A05M0	) 4	13	1	12		18	2	21		22
15VE1A05M1	1 4	2	4	12	1	21	1	21		22
15VE1A05M2	2 4	4	4	14	2	21	2	22		23
15VE1A05M4	1 4	0	4	-0	1	15		17	2	22
15VE1A05M5	4	0	4	4	-	19	1	17	1	20
15VE1A05M6	$\overline{}$	0	4	4	2	20	1	8	2	21
15VE1A05M7	_	3	4	7_	1	9	1	9	2	20
15VE1A05M8	3	9_	3	9	1	7	1	6	2	21
15VE1A05N0	4		4	9	2	5	2	4	2	24
15VE1A05N1	4.		4			7	1	7	1	9
15VE1A05N2	4:		4			1_		0		1
15VE1A05N3	4		4			4		4		3
15VE1A05N5	4:		4		-	6	1		1	5
15VE1A05N6	48		48		2		2			4
15VE1A05N7	42		4		1		1:		1	
15VE1A05N8	44		46		2		2		2	
15VE1A05N9 15VE1A05P0	40		40		1		2		2	
15VE1A05P0	43		46		23			3	2	
15VE1A05P1	45		40		19		20		21	
15VE1A05P3	42		46		22			2	20	
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SREVIOR STECH D.No. 9 39, dasico Indu Aranya, Pandlaguda, Tattiannaram, Hyderabad-68

HNTO	12838	12852	128CR	128ET	128FD
16VE5A0510	46	43	22	18	19
16VE5A0511	47	44	21	23	21
16VE5A0513	43	40	19	20	19
16VE5A0515	44	45	21	22	20
16VE5A0516	44	43	20	23	20
16VE5A0517	40	43	20	23	21
16VE5A0518	48	47	20	22	21
16VE5A0519	44	44	17	14	19
16VE5A0521	44	42	18	16	20
16VE5A0522	43	42	18	17	19
Total:222	981 8	100 04	449	465 0	458 4

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

Subject Code	Subject Name
12838	PROJECT WORK
128CR	MANAGEMENT SCIENCE
128ET	STORAGE AREA NETWORKS
12852	SEMINAR
128FD	WEB SERVICES

Signature Of Principal with Date & Office seal
SHEYAS INSTITUTE OF ENGG. & TECH
9-39, Sy. No. 107, Tattlemaram (V),
9-39, Bandleguda, Nagols, Hyd-6a

Notice Board Copy Issued on: 9/8/19

Notice Board Copy Removed on: 24

297

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## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD- 500 085

Name of the affiliated College SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

College Code

VE

## AWARD LIST FOR EXTERNAL LAB EXAMS

Name of Examination: IV B.Tech II Sem (I	Reg/Supp) Regular April, 2016.
Branch: Electronics and Communications Engineering	
Name of Laboratory: <u>Major Project</u>	
Date of Lab. Examination: 01-05-2016	Maximum Marks: 150
Name of Examiner-1: Dr. Y. Raghavender Rao	
Name of Examiner-2: B. Sreenivasu	

Note: (1) Please enter the marks in the serial order of the hall ticket numbers of the students.

(2) The award list(s), in duplicate, must be submitted to the Chief Superintendent of the Examinations along with "Statement of attendance in covers.

SL.NO	HALL TICKET NUMBER	MARKS IN	MARKS AWARDED (IN WORDS)	
J.J.I. 10	OF THE STUDENT	FIGURES	FIRST DIGIT	SECOND DIGIT
1	12TC1A0402	141		0 P
2	12TC1A0417	145		
3	12VE1A0458	146		
4	12VE1A0459	143		
5	12VE1A0461	137		
6	12VE1A0462	146		
7	12VE1A0463	144		
8	12VE1A0464	144		
9	12VE1A0465	14-5		
10	12VE1A0466	143		
11	12VE1A0467	138		
12	12VE1A0468	14-0		
13	12VE1A0469	139		
14	12VE1A0470	140		
15	12VE1A0471	145		
16	12VE1A0473	146		
17	12VE1A0474	130		
18	12VE1A0475	143		
19	12VE1A0476	142		
20	12VE1A0477	140		

y Raghavender Rac Signature of Examiner-1

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Signature of Examiner-2

SREYAS INSTITUTE OF ENGG.&TECH. 9:39, Sy.No: 107, Tattiannaram (V), GSI. Bandlaguda, Nagole, Hyd-68.

21	12VE1A0478	145	
22	12VE1A0479	144	
23	12VE1A0480	143	
24	12VE1A0481	134	
25	12VE1A0482	142	
26	12VE1A0483	140	
27	12VE1A0484	142	
28	12VE1A0485	143	
29	12VE1A0486	145	
30	12VE1A0487	145	
31	12VE1A0488	14-6	
32	12VE1A0490	146	
33	12VE1A0491	144	
34	12VE1A0492	142	
35	12VE1A0495	140	
36	12VE1A0496	14-2	
37	12VE1A0497	130	
38	12VE1A0498	135	
39	12VE1A0499	144	
40	12VE1A04A1	143	
41	12VE1A04A3	142	
42	12VE1A04A4	146	
43	12VE1A04A5	146	
44	12VE1A04A6	A	
45	12VE1A04A7	139	
46	12VE1A04A8	146	
47	12VE1A04A9	141	
48	12VE1A04B0	146	
49	12VE1A04B1	144	
50	12VE1A04B2	145	
		, ,	

y Raghavender Rag Signature of Examiner-1

Asures

Signature of Examiner-2

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

51	12VE1A04B3	142		
52	12VE1A04B4	14-2		
53	12VE1A04B5	142		
54	13VE5A0401	146		
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y Raghavender Rad Signature of Examiner-1

Signature of Examiner-2

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy. No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-88.

JA.WAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD- 500 085

Name	of the affiliated College
SREYAS INSTITUTE	OF ENGINEERING & TECHNOLOGY

College Code

VE

## AWARD LIST FOR EXTERNAL LAB EXAMS

Name of Examination: <u>IV B.Tech II Sem</u>	(Reg/Supp) Regular April, 2016.	
Branch: Electronics and Communications Engineer	ing Regulations: R09	
Name of Laboratory: Major Project		·
Date of Lab. Examination: 29-04-16	Maximum Marks: 150	
Name of Examiner-1: Dr. B. Rajender Naik		
Name of Examiner-2: B. Sreenivasu		

Note: (1) Please enter the marks in the serial order of the hall ticket numbers of the students.

(2) The award list(s), in duplicate, must be submitted to the Chief Superintendent of the

(2)	The award list(s), in duplica	ate, must be submitted to the Chief Superintendent of the		
SL.NO	WALL TROUBLE	MARKS	S MARKS AWARDED (IN WORL	
SL.NO	HALL TICKET NUMBER OF THE STUDENT	IN FIGURES	FIRST DIGIT	SECOND DIGIT
1	12VE1A0401	139		
2	12VE1A0402	144		
3	12VE1A0403	145		
4	12VE1A0404	135		
5	12VE1A0405	141		
6	12VE1A0406	143		
7	12VE1A0407	146		
8	12VE1A0408	144		
9	12VE1A0409	141		
10	12VE1A0410	131		
11	12VE1A0411	146		
12	12VE1A0412	130		
13	12VE1A0413	145	2	
14	12VE1A0414	143		
15	12VE1A0415	146		
16	12VE1A0416	135		
17	12VE1A0417	140		
18	12VE1A0418	142		
19	12VE1A0419	140		
20	12VE1A0420	140		

Signature of Examiner-1

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SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-58.

21	12VE1A0421	146		
22	12VE1A0422	140		
23	12VE1A0423	141		
24	12VE1A0424	146		
25	12VE1A0426	145		
26	12VE1A0427	142		_
27	12VE1A0428	142		
28	12VE1A0429	139		
29	12VE1A0430	140		_
30	12VE1A0432	144		
31	12VE1A0434	145		
32	12VE1A0435	142		
33	12VE1A0436	144		
34	12VE1A0437	144		$\dashv$
35	12VE1A0438	140		$\dashv$
36	12VE1A0439	130		$\dashv$
37	12VE1A0440	141		$\dashv$
38	12VE1A0441	145		$\dashv$
39	12VE1A0442	146		+
40	12VE1A0443	144		$\dashv$
41	12VE1A0445	141		$\forall$
42	12VE1A0446	146		$\forall$
43	12VE1A0447	146		+
44	12VE1A0448	143		+
45	12VE1A0449	138		+
46	12VE1A0450	142		+
47	12VE1A0451	140		1
48	12VE1A0452	138		
49	12VE1A0453	142		-
50	12VE1A0454	144		
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Signature of Examiner-2

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

12VEIA0455   14   5   52   12TCIA0405   14   0   53   12TCIA0411   14   0   54   12931A0407   14   0   55   12931A0413   14   4   12931A0416   14   0   57   12931A0424   13   9   58   12931A0428   13   9   12931A0462   14   1   1   1   1   1   1   1   1				
53	51	12VE1A0455	145	
S3	52	12TC1A0405		
1931A0407	53	12TC1A0411		
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58     12931A0428     139       59     12931A0462     141       60     61       61     62       63     64       65     66       67     68       69     70       71     72       73     74       75     76       77     78       79     80	57	12931A0424		
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Signature of Examiner-2

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD- 500 085

Name of the affiliated College
SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

VE

## AWARD LIST FOR EXTERNAL LAB EXAMS

Name of Examination:	IV B.Tech II Sem	(Reg/Supp)Regu	<u>lar</u> April, 2016.	
Branch: Electronics an	d Communications Engineer	ring_Regulations:	R09	
Name of Laboratory:	Industry Oriented Mini Pr	roject		
Date of Lab. Examinati	on: <u>29-04-16</u>	Maximum Marks:	50	
Name of Examiner-1:_	Dr. B. Rajender Naik			
Name of Examiner-2:	B. Sreenivasu			

Note: (1) Please enter the marks in the serial order of the hall ticket numbers of the students. (2) The award list(s), in duplicate, must be submitted to the Chief Superintendent of the

		MARKS	MARKS AWARI	DED (IN WORDS)
SL.NO	HALL TICKET NUMBER OF THE STUDENT	IN FIGURES	FIRST DIGIT	SECOND DIGIT
1	12VE1A0401	41	FOUR	ONE
2	12VE1A0402	46	FOUR	SIX
3	12VE1A0403	45	FOUR	FIVE
4	12VE1A0404	40	FOUR	ZERO
5	12VE1A0405	42	FOUR	TWO
6	12VE1A0406	43	FOUR	THREE
7	12VE1A0407	48	FOUR	EZGHT
8	12VE1A0408	46	FOUR	SIX
9	12VE1A0409	41	FOUR	ONE
10	12VE1A0410	40	FOUR	ZERO
11	12VE1A0411	47	FOUR	SEVEN
12	12VE1A0412	39	THREE	NINE
13	12VE1A0413	47	FOUR	SEVEN
14	12VE1A0414	44	FOUL	FOUR
15	12VE1A0415	48	FOUR	EIGHT
16	12VE1A0416	40	FOUR	ZERO
17	12VE1A0417	41	FOUR	ONE
18	12VE1A0418	44	FOUR	FOUR
19	12VE1A0419	44	FOUR	FOUR
20	12VE1A0420	44	FOUR	FOUR

Annua

Signature of Examiner-1

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

Signature of Examiner-2

21	127/21 1012			
21		48	3 FOUR	52445
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23	12VE1A0423	42		ONE
24	12VE1A0424	48		TWO
25	12VE1A0426	47		EIGHT
26	12VE1A0427	45		SEVEN
27	12VE1A0428	43		FIVE
28	12VE1A0429			THREE
29	12VE1A0430	46		ZERO
30	12VE1A0432	44		FOUR
31	12VE1A0434	45		FIVE
32	12VE1A0435	47	Four	SEVEN
33	12VE1A0436	44	FOUR	FOUR
34	12VE1A0437	44	FOUR	FOUR
35	12VE1A0438	45	FOUR	FIVE
36	12VE1A0439	45	FOUR	FIVE
37	12VE1A0440	39	THREE	NINE
38		42	FOUR	TWO
39	12VE1A0441	45	FOUR	FIVE
	12VE1A0442	48	FOUR	
40	12VE1A0443	45	FOUR	ETGHT
41	12VE1A0445	42	FOUR	FIVE
42	12VE1A0446	48	FOUR	TWO
43	12VE1A0447	48	FOUR	ETGHT
44	12VE1A0448	44	FOUL	ELGHT
45	12VE1A0449	43	FOUR	FOUR
46	12VE1A0450	44		THREE
47	12VE1A0451	44	FOUR	FOUR
48	12VE1A0452	41	FOUR	FOUR
49	12VE1A0453	42	FOUR	ONE
50	12VE1A0454		FOUR	TWO
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Signature of Examiner-2

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

51	12VE1A0455	47	FOUR	
52	12TC1A0405	42		SEVEN
53	12TC1A0411	43	FOUR	TWO
54	12931A0407	42		THREE
55	12931A0413	45	FOUR	TWO
56	12931A0416	41		FIVE
57	12931A0424		FOUR	DNE
58	12931A0428	44	FOUR	FOUR
59	12931A0462	43	FOUR	THREE
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Signature of Examiner-2

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD- 500 085

Name of the affiliated College SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

College Code

VE

## AWARD LIST FOR EXTERNAL LAB EXAMS

Reg/Supp) Regular April, 2016.
_Regulations:R09
Maximum Marks: 50

Note: (1) Please enter the marks in the serial order of the hall ticket numbers of the students.

(2) The award list(s), in duplicate, must be submitted to the Chief Superintendent of the

Examinations along with "Statement of attendance in covers

Examinat	ions along with "Statement	of attendance	e in covers.	
SL.NO	HALL TICKET NUMBER		MARKS AWA	RDED (IN WORDS)
	OF THE STUDENT	FIGURES	FIRST DIGIT	SECOND DIGIT
1	12TC1A0402	41	Foyr	one
2	12TC1A0417	47	Four	Seven
3	12VE1A0458	48	Four	
4	12VE1A0459	44	Four	eight
5	12VE1A0461	4-2	Four	FOUY
6	12VE1A0462	48	Four	two
7	12VE1A0463	43	Four	eight
8	12VE1A0464	46	Four	three
9	12VE1A0465	47	Four	Six
10	12VE1A0466	45		Seven
11	12VE1A0467	44	Four	Bre
12	12VE1A0468	4)	Four	foyv
13	12VE1A0469	40	Four	one
14	12VE1A0470	4-3	Four	zen
15	12VE1A0471	47	Four	Three
16	12VE1A0473		four	seven
17	12VE1A0474	48	Four	eight
18	12VE1A0475		Three	nine
19	12VE1A0476	43	Four	three
		44	Frur	Four
20	12VE1A0477	42	FOUY	TWO

y Raghavender Rag Signature of Examiner-1

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

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34			45	Four		five	
35			43	Four		three	
36	12VE1A0496		41	Four		one	$\dashv$
37	12VE1A0497		4-5	Four		Rive	$\dashv$
38	12VE1A0498		70	FOUV		Ze86	$\dashv$
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43	12VE1A04A5		8	Four		two	+
44	12VE1A04A6		2	Four		eight	-
45	12VE1A04A7	1		A		two	-
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48	12VE1A04B0	45	2	Four		eght	
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y Raghavender Rao Signature of Examiner-1

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V). GSI, Bandlaguda, Nagole, Hyd-68.

Signature of Examiner-2

51	12VE1A04B3	43	FOUT	4.1
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y Raghavender Rao.

Signature of Examiner-1

Asures

Signature of Examiner-2

PRINCIPAL SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), G\$1, Bandlaguda, Nagole, Hyd-68.

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD- 500 085

Name of the affiliated College SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY College Code

VE

#### AWARD LIST FOR EXTERNAL LAB EXAMS

Name of Examination:_	IV B.Tech II Sem	_(Reg/Supp) Regu	<u>lar</u> April, 2016.	
Branch: Electronics and	Communications Engineering	g_Regulations:	R09	
Name of Laboratory:	Comprehensive viva voce			
Date of Lab. Examinatio	n: 29-04-16	_ Maximum Marks: _	50	
Name of Examiner-1:	Dr. B. Rajender Naik			
Name of Examiner-2:	B. Sreeniyasu			

Note: (1) Please enter the marks in the serial order of the hall ticket numbers of the students.

(2) The award list(s), in duplicate, must be submitted to the Chief Superintendent of the

		MARKS	MARKS AWAR	DED (IN WORDS)
SL.NO	HALL TICKET NUMBER OF THE STUDENT	IN FIGURES	FIRST DIGIT	SECOND DIGIT
1	12VE1A0401	97	NINE	SEVEN
2	12VE1A0402	99	NINE	NINE
3	12VE1A0403	98	NINE	EIGHT
4	12VE1A0404	96	NINE	SIX
5	12VE1A0405	96	NINE	SIX
6	12VE1A0406	98	NINE	EIGHT
7	12VE1A0407	99	NINE	NINE
8	12VE1A0408	99	NINE	NINE
9	12VE1A0409	95	NINE	FIVE
10	12VE1A0410	93	NINE	THREE
11	12VE1A0411	99	NINE	NINE
12	12VE1A0412	88	EIGHT	EIGHT
13	12VE1A0413	99	NINE	NINE
14	12VE1A0414	99	NINE	NINE
15	12VE1A0415	99	NINE	NINE
16	12VE1A0416	95	NINE	FIVE
17	12VE1A0417	95	NINE	FIVE
18	12VE1A0418	94	NINE	FOUR
19	12VE1A0419	98	NINE	EIGHT
20	12VE1A0420	97	NINE	SEVEN

Signature of Examiner-1

Asurest

Signature of Examiner-2

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

21	12VE1A0421	99	NINE	NINE
22	12VE1A0422	97	NINE	SEVEN
23	12VE1A0423	98	NINE	EIGHT
24	12VE1A0424	99	NINE	NINE
25	12VE1A0426	97	NINE	SEVEN
26	12VE1A0427	98	NINE	EIGHT
27	12VE1A0428	97	NINE	SEVEN
28	12VE1A0429	95	NINE	FIVE
29	12VE1A0430	95	NINE	FIVE
30	12VE1A0432	99	NINE	NINE
31	12VE1A0434	99	NINE	NINE
32	12VE1A0435	97	NINE	SEVEN
33	12VE1A0436	97	NINE	SEVEN
34	12VE1A0437	98	NINE	EIGHT
35	12VE1A0438	97	NINE	SEVEN
36	12VE1A0439	91	NINE	ONE
37	12VE1A0440	95	NINE	FIVE
38	12VE1A0441	96	NINE	SIX
39	12VE1A0442	98	NINE	EIGHT
40	12VE1A0443	98	NINE	EIGHT
41	12VE1A0445	98	NINE	EIGHT
42	12VE1A0446	99	NINE	NINE
43	12VE1A0447	99	NINE	NINE
44	12VE1A0448	97	NINE	SEVEN
45	12VE1A0449	96	NINE	SIX
46	12VE1A0450	97	NINE	SEVEN
47	12VE1A0451	99	NINE	NINE
48	12VE1A0452	96	NINE	SIX
49	12VE1A0453	95	NINE	FIVE
50	12VE1A0454	98	NINE	EIGHT

Aswress

Signature of Examiner-2

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V). GSI, Bandlaguda, Nagole, Hyd-68.

* +				
51	12VE1A0455	98	NINE	EIGHT
52	12TC1A0405	96	NINE	SIX
53	12TC1A0411	98	NINE	EIGHT
54	12931A0407	96	NINE	SIX
55	12931A0413	98	NINE	EIGHT
56	12931A0416	95	NINE	FIVE
57	12931A0424	96	NINE	SIX
58	12931A0428	97	NINE	SEVEN
59	12931A0462	97	NINE	SEVEN
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Signature of Examiner-2

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD- 500 085

Name of the affiliated College SREYAS INSTITUTE OF ENGINEERING & TECHNOLOGY

College Code

VE

## AWARD LIST FOR EXTERNAL LAB EXAMS

Name of Examination:	III B.Tech I Sem	(Reg/Supp)_	Regular	Novem	ber, 2014.
Branch: Electronics and	d Communications Engineer	ing_Regulation	ns :	R09	
Name of Laboratory:	Comprehensive viva voce				
Date of Lab. Examination	on: <u>29-04-2016</u>		Maximum	Marks: _	50
Name of Examiner-1:_	Dr. B. Rajender Naik				
Name of Examiner-2:	B. Sreenivasu				

Note: (1) Please enter the marks in the serial order of the hall ticket numbers of the students.

(2) The award list(s), in duplicate, must be submitted to the Chief Superintendent of the Examinations along with "Statement of attendance in covers.

SI NO	SL.NO HALL TICKET NUMBER		MARKS AWAR	DED (IN WORDS)	
SL.NO	OF THE STUDENT	IN FIGURES	FIRST DIGIT	SECOND DIGIT	
1	12TC1A0402	92	NINE	TWO	
2	12TC1A0417	98	NINE	EIGHT	
3	12VE1A0458	98	NINE	EIGHT	
4	12VE1A0459	97	NINE	SEVEN	
5	12VE1A0461	95	NINE	FIVE	
6	12VE1A0462	99	NINE	NINE	
7	12VE1A0463	97	NINE	SEVEN	
8	12VE1A0464	97	NINE	SEVEN	
9	12VE1A0465	98	NINE	EIGHT	
10	12VE1A0466	98	NINE	EIGHT	
11	12VE1A0467	96	NINE	SIX	
12	12VE1A0468	97	NINE	SEVEN	
13	12VE1A0469	95	NINE	FIVE	
14	12VE1A0470	96	NINE	SIX	
15	12VE1A0471	99	NINE	NINE	
16	12VE1A0473	99	NINE	NINE	
17	12VE1A0474	89	EIGHT	NINE	
18	12VE1A0475	97	NINE	SEVEN	
19	12VE1A0476	97	NINE	SEVEN	
20	12VE1A0477	97	NINE	SEVEN	

Signature of Examiner-1

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68. Signature of Examiner-2

21	12VE1A0478	99	NINE	NINE
22	12VE1A0479	97	NINE	
23	12VE1A0480	98	NINE	SEVEN
24	12VE1A0481	97	NINE	EIGHT
25	12VE1A0482	97	NINE	SEVEN
26	12VE1A0483	98	NINE	SEVEN
27	12VE1A0484	98	NINE	EIGHT
28	12VE1A0485	97	NINE	EIGHT
29	12VE1A0486	98	NINE	SEVEN
30	12VE1A0487	98	NINE	EIGHT
31	12VE1A0488	98	NINE	EIGHT
32	12VE1A0490	99	NINE	EIGHT
33	12VE1A0491	98	NINE	NINE
34	12VE1A0492	97		EIGHT
35	12VE1A0495	98	NINE	SEVEN
36	12VE1A0496	98	NINE	EIGHT
37	12VE1A0497	89	NINE	EIGHT
38	12VE1A0497		EIGHT	NINE
39	12VE1A0498	96	NINE	SIX
	12VE1A0499	99	NINE	NINE
40		98	NINE	EIGHT
41	12VE1A04A3	98	NINE	EIGHT
42	12VE1A04A4	98	NINE	EIGHT
43	12VE1A04A5	98	NINE	EIGHT
44	12VE1A04A6	88	EIGHT	EIGHT
45	12VE1A04A7	98	NINE	EIGHT
46	12VE1A04A8	99	NINE	NINE
47	12VE1A04A9	98	NINE	EIGHT
48	12VE1A04B0	98	NINE	EIGHT
49	12VE1A04B1	99	NINE	NINE
50	12VE1A04B2	99	NINE	NINE

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9-39, Sy.No: 107, Tattiannaram (V),
GSI, Bandlaguda, Nagole, Hyd-68.
Page 2 of 5

51	12VE1A04B3	98	NINE	EIGHT
52	12VE1A04B4	98	NINE	EIGHT
53	12VE1A04B5	97	NINE	SEVEN
54	13VE5A0401	99	NINE	NINE
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Signature of Examiner-2

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH, 9-39, Sy.No: 107, Tattiannaram (V), G\$1, Bandlaguda, Nagole, Hyd-68, Page 3 of 5



# SREYAS Institute of Engineering & Technology

(Approved by AICTE, Delhi | Amiliated to INTUH, Hydersbad | Accredited by NAAC) Hyderabad | PIN: 500068

## Department of Electronics & Communication Engineering MAJOR PROJECT PRC-I EVALUATION SHEET

Date: 22 - 2-2019

Batch No: BQ

Title of the Project: Portable Camera based Assistive product label reading for blind people

Name of the Guide with Designation: K. Mahesh (Acet. Prof)

In-case of External Project, Name of the External Guide with Designation:

Recommendations of the Guide (To be filled by the Guide before the PRC):

-> . Impreve to 1: toraterie survey for different label reading futures of

Roll No's & Names with Signatures:

15VEIAD495 - Navya-A- aluya.

15VE1A0444 — R-Vamshi - R. Vanshi 15VE1AC483 — K. Shronya Chandia For Evaluators

Roll No's	Problem Definition	Literature Survey	Quality of	Design
VE140495	5	5	Presentation	Methodology
VEIA04A4	11		5	5
5 VE 140483	4	4	4	ħ
7 VC INCUTOS	5		4-	7

Grading Rubric:

A - Sophisticated (70% +)

B - Competent (45 - 70%)

C - Not Completed / Not Satisfactory - (<45%)

Maximum Grading Points:

Problem Definition - 5 Points

Literature Survey - 5 Points

Design & Implementation (10):

Design Methodology - 5 Points

Quality of Presentation -5 Points

Recommendations of the Panel (if necessary use the other side of the page):

SREYAS INSTITUTE OF ENGL&TER

9-39, Sy.No: 107, Tattiannaram (

GSI, Bandlaguda, Nagole, Hyd-

Name of the Evaluators with Signatures:

Dr. Jandeel Kumar, Professor. 27/21/21. Socajanya

Dr. V.A. Sankar P - Sang 22/02/19

K. SONALI SWAROOP - K-Sondi

PRAVEENA. A A. pramery

Scanned with CamScanner



## SREYAS Institute of Engineering & Technology

(Approved by AICTE, Delhi | Affiliated to INTUH, Hyderabad | Accredited by NAAC) Hyderabad | PIN: 500068

### Department of Electronics & Communication Engineering MAJOR PROJECT PRC-ILEVALUATION SHEET

Date: 21/3 /-2018

Batch No: B2

Title of the Project: Portable Camera based dissitive product label reading for bund

Name of the Guide with Designation: K. Mahesh (Asst. Prof)

In-case of External Project, Name of the External Guide with Designation:

Recommendations of the Guide (To be filled by the Guide before the PRC):

as Publish a reason pour \_ ren

Roll No's & Names with Signatures: 15VEI AD495 - Navya A - Warra

15VEIA04 A4-R. Varnshi - R. Varnihu For Evaluators

Team Work	Presentation Skills and Time Management	Results/output	Conclusion
5	5	5	5
4	4	Lı	- 11
4	- 4	4	4
	,		
	Team Work  5 4	Team Work Skills and Time	Team Work   Skills and Time   Results/output

Grading Rubric:

A - Sophisticated (70% +)

B - Competent (45 - 70%)

C - Not Completed / Not Satisfactory - (<45%)

Maximum Grading Points:

Team Work - 5 Points

Presentation skills and Time management - 5 Points

Results & Conclusion (10):

Results/Output- 5 Points

Conclusion -5 Points

Recommendations of the Panel (if necessary use the other side of the page):

SREYAS INSTITUTE OF ENGG.&TECH. 9-39, Sy.No: 107, Tattiannaram (V) GSI, Bandlaguda, Nagole, Hyd-68.

Name of the Evaluators with Signatures:

Dr. Jandech Kumar. Zatolia A. Sowaranya -

Dr. V. A. SanHar P - Sanka 213/03/19

K. Sonali - K. Fording PRAVEENA- A prome



# SREYAS Institute of Engineering & Technology (Approved by AICTE, Delhi | Affiliated to JNTUH, Hyderabad | Accredited by NAAC)

Hyderabad | PIN: 500068

## Department of Electronics & Communication Engineering

## MAJOR PROJECT OUTPUT EVALUATION SHEET

Date 12 -42019

20
Batch No: B2
Title of the Project: Portable camera Based Assistive lext keading
Title of the Project: Portable camera Based Assistive Text Reading for Location of Work:  The House
Name of the Guide with Designation: K. Mahesh (-Assl. Prof.)
In-case of External Project, Name of the External Guide with Designation:
Roll No's & Names with Signatures:  Navya.A - 15VEIA0495  Vamshi.R - 15VEIA04-A4  K.Shravya (handra - 15VE +A0483
Vamshi. R - 15VEIAOY-AY
Kishravya (handra - 15VE +ADY83
Type of Project: - 1. Hardware: 2. Software:
Grade/ Points:
Grading Rubric: (4-5)
A - Insightful, Support Conclusion and Recommendations. (4-5)
B – Sound conclusions reached based on achieved results. (3)
C – Scrious deficiencies in support for stated conclusions. (2)
D - Project conducted is irrelevant and no or erroleous conclusions
andstions by Guide with Signature (if necessary
Shown of , every this ch. elly 3/4/19.
Recommendations of the Panel:

Signature of the Class Incharge Received the Kit in Working Condition: (Yes / No)

PRINCIPAL SREYAS INSTITUTE OF ENGG. &TECH.

9-39, Sy.No: 107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyd-68.



#### **EXAMINATION BRANCH**

Cr.No. SIET/Exam Branch/2018-19/35

Date: 15-07-2019

#### **CIRCULAR**

This is to inform all the B.Tech students that, I-II Regular and I-I & I B.Tech supplementary April/May-2019 examinations recounting and revaluation notification is released.

The process of recounting and revaluation registration is "Get the recounting and revaluation registration form from examination branch, pay the fee in the accounts section and submit the form in the exam branch for further process."

#### Recounting & Revaluation fees are as follows:

Registration for	Amount in Rs.		
Recounting	Rs. 110/- for each subject		
Revaluation	Rs. 1010/- for each subject		

The last date issued by the University for I-II Regular and I-I & I B.Tech supplementary Recounting & Revaluation Registrations are as follows:

EVENT	Start date of registration	Last date of registration
I-II B.Tech Regular	15-07-2019	20-07-2019
I-I, I B.Tech Supplementary	15-07-2019	20-07-2019

I/C Examination Branch

PRINCIPAL

SREYAS INSTITUTE OF ENGG.&TECH. 2-50/5, Sy.Mo.10/ fattiannaram (V), GSI, Bandlaguda Nagole, Hyd-68.

Copy to: All HODs

: A.O Office

: Accounts Section,

: Notice Boards.



#### **EXAMINATION BRANCH**

Cr.No. SIET/Exam Branch/2018-19/34

Date: 12-07-2019

## **CIRCULAR**

This is to inform all the B.Tech students that, II-I, III-I & IV-I B.Tech supplementary April/May-2019 examinations recounting and revaluation notification is released.

The process of recounting and revaluation registration is "Get the recounting and revaluation registration form from examination branch, pay the fee in the accounts section and submit the form in the exam branch for further process."

## Recounting & Revaluation fees are as follows:

Registration for	Amount in Rs.		
Recounting	Rs. 110/- for each subject		
Revaluation	Rs. 1010/- for each subject		

The last date issued by the University for II-I, III-I & IV-I B.Tech supplementary Recounting & Revaluation Registrations are as follows:

EVENT	Start date of registration	Last date of registration	
II-I B.Tech Supplementary	12-07-2019	18-07-2019	
III-I B.Tech Supplementary	12-07-2019	18-07-2019	
IV-I B.Tech Supplementary	10-07-2019	16-07-2019	

I/C Examination Branch

PRINCIPAL

SREYAS INSTITUTE OF ENOG. & TECH

9:39. Sy. No. 107, Tattiannered (V).

GSI, Bandlaguda, Nagole, dyu-68

Copy to: All HODs

: A.O Office

: Accounts Section, November

: Notice Boards.



#### **EXAMINATION BRANCH**

Cr.No. SIET/Exam Branch/2018-19/33

Date: 10-07-2019

## **CIRCULAR**

This is to inform all the B.Tech students that, II-II & III-II B.Tech regular & supplementary April/May-2019 examinations recounting and revaluation notification is released.

The process of recounting and revaluation registration is "Get the recounting and revaluation registration form from examination branch, pay the fee in the accounts section and submit the form in the exam branch for further process."

## Recounting & Revaluation fees are as follows:

Registration for	Amount in Rs.	
Recounting	Rs. 110/- for each subject	
Revaluation	Rs. 1010/- for each subject	

The last date issued by the University for II-II & III-II B.Tech Recounting & Revaluation Registrations are as follows:

EVENT	Start date of registration	Last date of registration
III-II B.Tech Regular & Supplementary	09-07-2019	15-07-2019
II-II B.Tech Regular & Supplementary	10-07-2019	16-07-2019

I/C Examination Branch

EXAM BRANCH IN-CHARGE

SREYAS INSTITUTE OF ENGGLATECH. 2:50/5, Sy.No.107, Tattiannersm (V), Get Bandlaguda, Norda, M. (V),

Copy to: All HODs

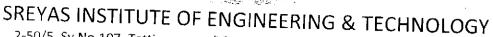
: A.O Office

: Accounts Section, \)

: Notice Boards.

Principal PRINCIPAL

"'S INSTITUTE OF ENGG. & TER By, No. 197, Tablancaram (V) Condiaguda, Nagole, Flyd-68



2-50/5, Sy No.107, Tattiannaram (V), GSI, Bandlaguda, Nagole, Hyderabad-68. **EXAMINATION BRANCH** 

Date: 04-12-2018

#### **NOTICE**

## SUB: Notification for B.Tech (CBT) Examinations, January-2019

All the regular students of I-I, II-I, III-I, IV-I B.Tech are hereby informed that, the Exam Notification for B.Tech Computer Based Test (CBT) –Improvement of Internal marks is released. Fee details and dates are given bellow.

#### Examination fee details:

1. FOR ONE THEORY SUBJECT	
	Rs. 400/-
2. FOR TWO THEORY SUBJECTS	Rs. 500/-
3 FOR THREE THEORY SUBJECTS	
	Rs. 600/-
4. FOR FOUR THEORY SUBJECTS AND ABOVE	Rs. 800/-

## Student registration schedule:

LAST DATE
13-12-2018
17-12-2018
18-12-2018

Exam Branch I/c

**PRINCIPAL** 

PRINCIPAL.

SREYAS INDTITUTE OF ENGG. & TECH 9-39, Sy. No. 107, Tattionnaram (V). GSI, Bandlagoda, Nagote, Hyd-68

Copy to:

1. All HOD's

2. Accounts Section

3. Notice Board



#### **EXAMINATION BRANCH**

Cr.No. SIET/Exam Branch/2018-19/32

Date: 20-06-2019

## **CIRCULAR**

This is to inform all the B.Tech students that, IV-II B.Tech regular & supplementary April/May-2019 examinations recounting and revaluation notification is released.

The process of recounting and revaluation registration is "Get the recounting and revaluation registration form from examination branch, pay the fee in the accounts section and submit the form in the exam branch for further process."

#### Recounting & Revaluation fees are as follows:

Registration for	Amount in Rs.
Recounting	Rs. 110/- for each subject
Revaluation	Rs. 1010/- for each subject

The last date issued by the University for IV-II B.Tech Recounting & Revaluation Registrations are as follows:

From	То
20 <sup>th</sup> June, 2019	26 <sup>th</sup> June, 2019

3. Subdance 19

EXAM BRANCH IN-CHARGE SREYAS INSTITUTE OF ENGG &TECH.

2-50/5, Sy.No.107, Tathannarom (V), GSI, Bandlaguda, Nagole, Hyd-68.

Housesh

Principal

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