Academic Regulations
AR 23

Undergraduate Programs

GMR Institute of Technology
Rajam 532 127, AP
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GMRIT
Training Tomorrow's
Engineers Today

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The Vision of GMRIT

- ❖ To be among the most preferred institutions for engineering and technological education in the country
- ❖ An institution that will bring out the best from its students, faculty and staff – to learn, to achieve, to compete and to grow – among the very best
- ❖ An institution where ethics, excellence and excitement will be the work religion, while research, innovation and impact, the work culture

The Mission of GMRIT

- ❖ To turnout disciplined and competent engineers with sound work and life ethics
- ❖ To implement outcome based education in an IT-enabled environment
- ❖ To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty and staff
- ❖ To develop teaching, research and consulting environment in collaboration with industry and other institutions

Academic Regulations for B. Tech. Program

(For all the candidates admitted from the Academic Year 2023 onwards)

1. **Eligibility for Admission**

   The total seats available as per the approved intake are grouped into two categories viz. category A and Category B with a ratio of 70:30 as per the state government guidelines

   a. The admissions for category A and B seats shall be as per the guidelines of Andhra Pradesh State Council for Higher Education (APSCHE) in consonance with government reservation policy

   b. Admission eligibility-Under Lateral Entry Scheme

   Students with diploma qualifications have an option of direct admission into 2nd year B. Tech. (Lateral entry scheme). Under this scheme 10% seats of sanctioned intake will be available in each course as supernumerary seats. Admissions to this three-year B Tech later entry Programme will be through APECET. The maximum period to complete B. Tech. under lateral entry scheme is six consecutive academic years from the date of joining

2. **Duration of the Programme**

   The course duration for the award of the Degree in **Bachelor of Technology** will be four academic years, with two semesters in each year. However, if a student is unable to complete the course within 4 years, he/she can do so by giving more attempts but within 8 consecutive academic years from the date of admission.

   2.1 Academic Calendar

   For all the eight semesters a common academic calendar shall be followed in each semester by having sixteen weeks of instruction, one week for the conduct of practical exams and with three weeks for theory examinations and evaluation. Dates for registration, sessional and end semester examinations shall be notified in the academic calendar of every semester. The schedule for the conduct of all the curricular, co-curricular and extra-curricular activities shall be notified in the semester planner.

3. **Award of the Degree**

   A student will be declared eligible for the award of B. Tech. degree if he/she fulfills the following:
   1. Pursues a course of study in not less than four and not more than eight academic years
   2. After eight academic years from the year of their admission, he/she shall forfeit their seat in B. Tech. course and their admission stands cancelled
   3. Registers for 160 credits and must secure all the **160** credits
   4. A student shall be eligible for the award of B.Tech degree with Honours or Minors if he/she earns 20 credits in addition to the 160 credits
   5. A student shall be permitted to register for Honors or Minors and not for both.

4. **Branches of Study**

   B. Tech. Programmes

   1. Civil Engineering (CE)
   2. Computer Science and Engineering (CSE)
   3. CSE (Artificial Intelligence & Data Science)
   4. CSE (Artificial Intelligence & Machine Learning)
   5. Electrical and Electronics Engineering (EEE)
   6. Electronics and Communication Engineering (ECE)
   7. Information Technology (IT)
   8. Mechanical Engineering (ME)

5. **Program Structure & Curriculum Framework**

The curriculum of B.Tech. program has different categories of courses. For a total of 160 credits the indicative credit distribution among these categories is listed in table below for all the programs.

No.	Categories of Courses	Credits
1	Basic Science & Humanities	26
2	Engineering Science	25
3	Professional Core	37.5
4	Professional Core Electives	12
5	Open Electives	11
6	Skill Oriented	30.5
7	Internships and Project	18
8	Audit Courses	Non-Credit

The curriculum and its structure is designed based on the philosophy of Outcome Based Education with a composition of courses spread out in the various categories listed above and syllabi is prescribed by the respective Boards of Studies from time to time. The students have an option of taking nine electives based on their interest/career path spanned across 5th to 8th semesters from the list of electives prescribed in the curriculum. Under Choice Based Credit System (CBCS) the students also have the flexibility to choose one elective from the list of open electives offered by the other programs of study in consultation with their respective department. The following are some of the distinct courses that are being offered in the curriculum.

a. **Skill Oriented Courses:** Skill Oriented Courses are offered in the form of Integrated courses that are exclusively designed to provide a unique learning experience of layered learning where in the students have the chances to practice while learning. These courses are designed by blending both theory and laboratory components one over the other.

b. **Mini project:** The curriculum offers Mini Project for the students during 6th semester. They will be divided into batches and the report will be evaluated by a committee as nominated by CoE constituted with internal and external members.

c. **Term paper:** The term paper is a self-study report with an objective enhancing the students' written technical-communication and shall be carried out in 5th semester. Every student will take up this either individually or as a batch of a maximum of four members and submit a report. The scope of the term paper could be an exhaustive literature review choosing any engineering concept with reference to standard research papers or an extension of the concept of earlier course work in consultation with the term paper supervisor. The report will be evaluated by a committee nominated by HoD with the approval of the Controller of Examinations (CoE).

d. **Project work**: Project work shall be carried out during the 7th or 8th semester. Students shall take up the capstone project at the industries along with the full semester internship (FSI) in the same industry. However, students should take prior permission if he/she is interested to take up both the above said courses and shall submit separate report. Projects shall be taken up either as a team or as an individual.

Internal evaluation will be done by the Project Review Committee (PRC), comprising of HOD and two senior members of faculty along with the project supervisor. Semester end evaluation will be done by Project Evaluation Committee (PEC) comprising of three members including HOD, project guide and an external examiner nominated by the office of the CoE.

e. **Audit courses**: Audit courses are those courses which do not carry any credits and are not accounted for the calculation of CGPA. Students shall take three audit courses in the beginning of **3rd semester** and shall complete those courses in self-study mode. One of the audit courses will be by the choice of the students from the list of the courses notified at the beginning of the third semester. The second and third audit course is common to all the students and is viz. "Environmental Studies" and "Professional Ethics and Human values". All the students (regular and lateral entry students) shall complete the audit course before the announcement of 6th semester results by taking all the chances provided along with the regular/supplementary examinations scheduled. Multiple attempts to clear the audit courses before the 6th semester will not affect the eligibility for the award of distinction. The results will be indicated with "Satisfactory" (40% of the total marks) or "Not Satisfactory" performance and will be reflected in the 6th Semester Grade Memo.

f. **MOOCs and Self-Study Courses**: Massive Open Online Courses (MOOCs) are free online courses available for anyone to enroll. MOOCs provide an affordable and flexible way to learn new skills in self-learning mode. The Curriculum provides adequate flexibility for the students to take up MOOCs through self-study mode enabling them to learn the courses on independent mode with minimal guidance of faculty mentor to earn credits for the award of the degreeB. Tech. (Regular) and B. Tech. (Honours) and B. Tech. (Minors).

Elective Courses are offered in two modes

1) Self Learning through MOOCs. 2) Direct Teaching as like Regular Courses

If the students opted for Elective Courses through NPTEL/SWAYAM: Each BoS, for its UG program, shall approve a list of around 2 to 15 (number as per their suitability) courses with minimum 8-weeks (45 Hours) duration and shall be announced in the beginning of the 3rd semester. These courses shall be offered as an alternative to "Elective Courses" of the respective branch offered in any semester from 5th to 8th semesters. Courses offered through NPTEL should not have similar or overlapping contents vis-à-vis the core subjects offered in the department in any of the semesters. Students opted for Elective Courses in self-learning mode (NPTEL/SWAYAM /MOOCs) need not attend the regular classes in the respective subject.

Students opting for Elective Courses through NPTEL/SWAYAM, shall submit the certificate before the beginning of the respective offering semester for the award of credits equal to Elective Courses. The conversion from percentage of marks given by NPTEL to the corresponding grades shall be similar to regular courses. If the student fails to submit the NPTEL certificate, he/she will have an option to choose either "self-learning through MOOCS with proctored assessment" or "a regular Elective Course".

The evaluation and assessment pattern for such courses which are part of the curriculum for the B. Tech. (Regular) Degree shall be carried out as similar to other regular theory courses. However, for B. Tech. (Honours) and B. Tech. (Minors) the grade/marks offered by the NPTEL-SWAYAM is considered for the calculation of grade point.

g. Summer Internships (I and II)

Summer Internship-I: As a part of curriculum in all UG programmes, it is mandatory for all students to undergo summer internship-I at industries (core or allied) / R & D organization to get practical insight of their subject domain or community engagement during summer break after the 4th semester. This summer internship programme shall be for a period of 6 weeks duration and the assessment shall be carried out during the 5th semester and the credits will be reflected along with grade point in the 5th semester Grade memo.

If any student is unable to take up summer internship-1 in the physical mode due to any functional challenges, the respective BoS may suggest substitute online courses (MOOCS)/Online internship as approved by AICTE.

Further, in case of students who could not successfully complete the allotted Summer Internship-I in the specified duration, he/she will be given substitute online courses (MOOCs)/Online internship as suggested by BoS chairman and schedule notified by the CoE and will be treated as second attempt.

Summer Internship-II: Will be deployed in the form of skill bridge training for a duration of 6 weeks during summer break after the 6th semester, wherein the students will be trained on Problem Solving and Computer Coding Skills to enhance the employability skills. The assessment shall be carried out during the 7th semester and the credits will be reflected along with grade point in the 7th semester Grade memo.

In case students fail to attend the Summer Internship-II regularly and could not secure the required percentage of attendance he/she will be allowed to take the assessment only after attending the make-up classes and will be treated as second attempt.

h. Co-Curricular and Extra Curricular (ECA & CCA) Activities:

Students shall acquire 1 credit in 1st & 2nd semesters at 0.5 credit per semester based on the various activities conducted on Health & Wellness, Yoga & Sports, NSS & NCC and Community Service. Assessment will be based on the level of participation/performance of the students in the various activities.

i. Employability Skills: It is mandatory for all students to take a course on Employability Skills from 3rd Semester to 6th Semester. The Employability Skills are covered under three broad streams viz. **Aptitude Skills, Soft Skills and Domain Specific Knowledge**. The credits earned through these courses will be indicated in the grade memos of 4th and 6th semester and will be taken into account for CGPA calculation. The End semester assessment for all the four semesters will be done independently by an internal examiner(s) nominated by CoE.

j. Industry Driven One Credit Courses (IDC): Meeting with the industry requirements/research organizations as well as to reduce the gap between industry-academia-research organizations, the one credit (15 hours.) course has been introduced. The credits earned through these courses will be indicated in the grade memo over and above the graduation requirements and will not be considered for CGPA calculation.

k. **Full Semester Internship (FSI):**

Students shall undergo mandatory FSI either in India or abroad at industries/R&D Institutions/Premier Institutions during 7th or 8th semester to get practical insights relevant to their core branch of engineering or in allied branches of study under the guidance of expert members from the institution and at industries.

All the students shall register their choice of interest either in 7th or 8th semester for FSI in the beginning of 6th semester with Career Development Cell.   However, the Institute shall allow the students to pursue FSI during the 7th semester or 8th semesters based on the availability of the opportunities.

The students opting for FSI bundle (FSI plus two theory courses) in 7th or 8th semesters shall take up the respective bundled theory courses offered on self-study mode during the internship period. Students opting for Project work bundle (Project work plus Three theory courses) during the 7th or 8th semester shall take up the respective theory courses in offline mode.

However, the self-study courses offered for FSI bundle will be supplemented by delivering the course either by ONLINE or OFFLINE. Attendance for these classes is not mandatory.

FSI bundle completed in 7th semester and got PPO in the 8th semester. (Double FSI):

If the students completed FSI bundle in 7th semester and got preplacement offer (PPO) before the beginning of the 8th semester shall be allowed to pursue FSI in the industry where he/she got PPO. Work carried out at Industry during the 8th semester can be submitted as Project Work report. Respective theory class teachers will conduct the classes for the three theory courses in virtual mode and attendance is mandatory. Students need to maintain a minimum of 75% attendance (Attendance for three theory courses (ONLINE)and FSI attendance at Industry put together). However, 10 % of attendance is condoned on medical grounds.

If the student/s got preplacement offer (PPO) after the commencement of 8th semester classwork shall also be allowed to pursue FSI during the balance period in the industry where he/she got PPO. The respective supervisor for project work will continue as Internal supervisor for the FSI. Project work carried out on the campus and work carried out in Industry shall be presented to the Project Review Committee periodically (PRC) and upon ratification from PRC he/she will be allowed for assessment of Project Work.

Respective teacher/s will conduct the classes for the three theory courses in virtual mode for the balance period. Students need to maintain a minimum of 75% attendance (Attendance for three theory courses (ONLINE and OFFLINE), Project work and FSI attendance at Industry put together). However, 10 % of attendance is condoned on medical grounds. However, students must attend to all the continuous assessment and end semester assessment along with all other students to fulfill the academic requirements.

Change of FSI industry in 8th semester due to PPO after commencement:

Students pursuing FSI in 8th semester at Industry and got preplacement offer (PPO) at other industry after the commencement of 8th semester shall also be allowed to relocate

to the industry where he/she got PPO. The same FSI supervisor will continue to review the performance of the students in the second industry. Work carried out in the first Industry and work carried out in PPO-Industry shall be presented to the Project Review Committee periodically (PRC) and upon ratification from PRC he/she will be allowed for assessment. Students need to maintain a minimum of 90% attendance at FSI (Sum of attendance in first Industry and at PPO Industry) However, 15% of attendance is condoned on medical grounds.

In the above cases the students shall attend to all the continuous assessments and end semester assessment along with all other students to fulfill the academic requirements.

If the student is unable to continue FSI for sixteen weeks in the allotted industry and wishes to move to another industry for continuing FSI, he/she will be allowed with prior approval from the principal. In all such cases all the above guidelines need to be followed.

Permission for double FSI and Moving from one Industry to another industry during FSI with above said reasons shall availed only once.

In case of those students who could not appear/fail in the semester end assessment for FSI, he/she will be given chance to appear during the immediate supplementary exam conducted and will be treated as second attempt.

l. **Career Path Electives (CPE):**
- The curriculum provides opportunities to the students to gain expertise in the emerging technologies in the form of Career path with expertise by offering elective courses in a sequential mode from 5th semester onwards. The students can choose any one of these career paths during the 5th semester and shall continue in the same career path by selecting specific electives in the 6th and 7th semesters in a sequence and finally leading to a Capstone project aligning with the career path in the 7th /8th semester.
- All the students who successfully complete the elective course aligned as per the CPE will have their Consolidated Grade Memos mentioning the title of the career path. Further, they will also receive a certificate/citation issued by the college.
- After choosing CPE during 5th semester and if any student fails to take up the specific electives courses as per the sequence in the subsequent semesters and select the electives from the general pool of electives, the student will be automatically gets out of the CPE.
- All those students who don't take up the Capstone project in the CPE domain will also get out the CPE
- In case of the students who are going for FSI/SAP in 7th semester shall take the respective elective course on self-study mode and further, complete the Capstone project in the 8th semester on campus
- In case of the students who are going for FSI in 8th semester shall take the respective elective course on self-study mode and further, complete the Capstone project in the 7th semester itself
- In case of the students going for FSI as a preplacement offer during 8th semester, he/she shall take up the elective courses on self-study mode and complete the Capstone project in the industry.
- The assessment pattern pertaining to the career path courses will be similar to those of other theory and integrated courses.
- The students who are not interested in any of these career paths can choose any of the other core electives as furnished in the respective list of the electives in the curriculum

5.1. Basis for Credit Allotment for Courses Offered

No	Course	L	T	P	Credits
1	Theory Course (Regular)	1	0	0	1.0
2	Integrated Course (Theory +Lab)	1	0	1	1+0.5
3	Laboratory/Drawing Course	0	0	1	0.5
4	Elective Courses	1	0	0	1
5	Elective Courses (Integrated)	1	0	1	1+0.5
6	Term Paper	0	0	1	0.5
7	Mini Project	0	0	1	0.5
8	Project work	0	0	1	0.5
9	ECA and CCA	0	0	1	0.5
10	Employability Skills (ES)	0	0	1	0.5
11	Audit /Mandatory Courses	0	0	0	0
12	Theory Course (Honours/Minors)	1	0	0	1
13	MOOCs/ Industry Driven courses /Self Study (For every 15hrs of Duration)				1
14	Summer Internship (6 Weeks: Offline/Online)				1
15	Full Semester Internship (16 Weeks)				8

5.2. Semester-wise Curriculum Structure

Course Pattern for Four Year Regular and Three-Year Lateral Entry Programme

Sem.	No. of Theory Courses	No. of Lab Courses, Internship, Term Paper, Project	Total Credits (4-Year)	Total Credits (3-Year Lateral Entry)
I	5 Theory /5 Theory	4 Labs/4Labs+ECA+CCA	20/20	-
II	5 Theory/ 5 Theory	4Labs+ECA +CCA /4Labs	20/20	-
III	6 (4 Theory + 2 Integrated)	2 Labs + Employability Skills - I	23	23
IV	5 (4 Theory + 1 Integrated)	2 Labs + Employability Skills - I	21	21
V	6 (2 Theory + 2 Integrated + 1 Professional Elective +1 Open Elective)	1 Lab + Term Paper + Employability Skills-II + Summer Internship -I	24	24
VI	8 (3 Theory + 1 Professional Integrated Elective +1 Open Elective + 3Audit Course)	1 Lab + Mini Project + Employability Skills -II	21	21
VII	3 (2 Professional Elective + 1 Open Elective)/ 2 (1 Professional Elective + 1 Open Elective)	Project/FSI + Summer Internship-II	18/14	18/14
VIII	2 (1 Professional Elective + 1 Open Elective)/ 3 (2 Professional Elective + 1 Open Elective)	FSI/ (Project)	12/18	12/18
	Total Credits		**160**	**120**

The credit requirement for three-year programme i.e. students admitted through lateral entry will be as per the sum of credits from third semester through eighth semes
ter as above i.e. 120.

5.3 Credit Break-up for Various Category of Courses

For Four Year/Three Year Regular Programme

S. No.	Category	Total No. of Credits and Courses					
		Four Years			**Three-Year Lateral Entry**		
		Credits	Courses	Total Credits	Credits	Courses	Total Credits
1	Theory courses	3/2	22/1(23)	68	3	13	39
2	Integrated course	4	5	20	4	5	20
3	Laboratory course	1.5/1	10/4(14)	19	1.5	6	9
4	Professional elective	3/4	4/1 (5)	16	3/4	4/1 (5)	16
5	Open Elective	3/2	3/1(4)	11	3/2	3/1(4)	11
6	Employability Skills	2	2	4	2	2	4
7	CCEC Activities (ECA & CCA)	0.5	2	1	-	-	-
8	Internship (Summer Internship/FSI)	1/8	2/1 (3)	10	1/8	2/1 (3)	10
9	Term paper	1.5	1	1.5	1.5	1	1.5
10	Mini Project	1.5	1	1.5	1.5	1	1.5
11	Project	8	1	8	8	1	8
	Total	**-**	**61**	**160**	**-**	**41**	**120**

5.4 Division of Marks for Continuous and Semester End Assessment

Course	Marks for Continuous Assessment	Marks for Semester end Assessment
Theory	30	70
Integrated Course	40 (30T+10L)	90 (70T+20L)
Drawing Courses	30	70
Laboratory	30	70
Term Paper	30	70
Audit Courses	--	50
Mini Project	30	70
Industry Driven Courses	--	25
ECA and CCA	--	100
Employability Skills (AS+SS+DSS)	20+20+20	30+30+30
Summer Internship (I & II)	--	50
Full semester Internship	100	100
Project Work	100	100

A student has to secure not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the mid semester and end examination marks taken together for the theory, practical, design, drawing subject or project etc. In case of a Audit/mandatory course, he/she should secure 40% of the total marks.

6. Evaluation Methodology

a. The assessment will be based on the performance in the semester-end examinations and /or continuous assessment, carrying marks as specified

b. At the end of each semester, final examinations will normally be conducted during October/November and during April / May of each year. Supplementary examinations shall be conducted as per the schedule announced

c. Continuous Assessment Marks will be awarded based on Continuous Evaluation made during the semester as per the scheme

d. The letter grade and the grade points are awarded based on the absolute grading system having earned grades based on the marks scored. Grading is done based on the percentage of marks secured by a candidate in individual course (Theory & Laboratory) as detailed below:

Range of Percentage of Marks -Theory	Qualitative Meaning	Letter Grade	Grade Point
90 to 100	Superior	S	10
80 to 89	Excellent	A	9
70 to 79	Very Good	B	8
60 to 69	Good	C	7
50 to 59	Average	D	6
40 to 49	Pass	E	5
< 40	Fail	F	0
	Absent	AB	0

e. After completion of the programme, the Cumulative Grade Point Average (CGPA) from the I Semester to VIII Semester (from III to VIII semester for lateral entry) is calculated using the formula:

$$CGPA = \frac{\sum_{i=1}^{n}(c_i \times g_i)}{\sum_{i=1}^{n} c_i}$$

Where n is the number of courses registered for, 'c_i' is the credits allotted to the given course and 'g_i' is the grade point secured in the corresponding course

f. In view that grading system is adopted for the award of the grade points in each of courses, for the benefit of the students and other stack holders who wish to have an equivalence for the CGPA secured for the graduation, the following empirical relation is provided.
Equivalent Percentage: (CGPA-0.5) x 10

7.1 Continuous Assessment Pattern for all courses

a. Theory Course:

Out of 30 marks allotted for continuous assessment 20 marks will be awarded based on two tests (Each test will be conducted for 40 marks and scale down to 20 marks) conducted and 10 marks shall be awarded based on Open book examination/ Assignment test enabling to assess Higher Order Thinking skills (HOT)

For finalization of the 20 marks, 80 % of marks secured in 1st best internal tests and 20% marks secured in 2nd best internal test will be considered.

The duration of each internal test will be 90 minutes addressing predominantly on lower order thinking skills and shall cover two units of syllabus in each test.

All the students will be notified with the marks secured within one week after the completion of the sessional exams.

Students are permitted for reconciliation within a period of two working days after the notification of marks.

The evaluation methodology of Design and Drawing courses coming under theory will be given in their respective course handouts which will be approved by the respective chairperson of the BoS.

Open book Examination is an assessment process providing the students a realistic environment to assess the higher order learning/thinking skills with the questions that mimic professional ability to demonstrate Creating, analyzing, and evaluating skills. Open Book Examination carries 1/3rd weightage in the continuous assessment and the exam will be conducted for 30 marks at the end of every semester and will be scaled down to 10 marks. The duration of each test will be 120 minutes predominantly focusing on Higher Order Thinking Skills. In case the course has limited scope of HOTs, the assessment shall be carried out with LOTs. In this assessment, the students are allowed to use any printed and handwritten material of their choice.

In the case of the course that has limited scope for Open Book Examinations, Assignment Test is preferred. However, BoS chairmen shall ensure that OBE system is followed for a min of 50% of the courses in each of the semesters.

For the conduct of assignment test Eighteen questions will be given one week in advance to the students. These eighteen questions shall address all the six COs at three questions for each CO. Further, the question preferably shall be from Old GATE/IES question papers, and each question carries 5Marks. The question paper shall not have any choice and the students need to answer all Six questions covering all the six COs. The marks secured will be scaled down to 10 Marks.

b. **Laboratory Course:**
    30 marks are awarded for continuous assessment and following is the pattern for the award of 30 marks.
    - Preparation, Observation & Result : 05 Marks
    - Record   : 05 Marks
    - Viva – Voce   : 05 Marks
    - Internal Test   : 15 Marks

c. **Integrated Course (Theory Component +Lab Component):**

    40 marks are allotted for continuous assessment as given below

    Theory part:
    30 marks will be awarded based on two tests conducted similar to theory. Each Test will be conducted for 40 marks and scale down to 30 marks. 80 % of marks secured in 1st best internal test and 20% marks secured in 2nd best internal test for the final award of the marks

    Laboratory Part:
    10 marks are awarded for continuous assessment and following is the pattern for the award of 10 marks
    - Preparation, Observation & Result and Record   : 05 Marks
    - Internal Test   : 05 Marks

d. Engineering graphics

30 marks are awarded for continuous assessment and following is the pattern for the award of 30 marks.

- Day-to-day assessment of drawing sheets :15 marks
- Internal test* :15 marks

Out of 15 marks allotted for internal tests, there shall be two internal tests for 15 marks each. 80 % of marks secured in 1st best test and 20% marks secured in 2nd best test will be considered for the award of 15 marks.

e. Term Paper:

30 marks are awarded for continuous assessment and following is the pattern for the award of 30 marks.

- Literature Survey : 05 Marks
- Review 1 : 05 Marks
- Review 2 : 05 Marks
- Publication/Presentation of paper: 05 Marks
- Presentation : 10 Marks

f. Mini Project:

30 marks are awarded for continuous assessment and following is the pattern for the award of 30 marks.

- Review 1 : 10 Marks
- Review 2 : 10 Marks
- Final Presentation : 10 Marks

g. Project Work:

100 marks are awarded for continuous assessment and following is the pattern for the award of 100 marks.

- Innovativeness of the Project : 05 Marks
- Literature Survey : 10 Marks
- Experimentation / Simulation : 15 Marks
- Result Analysis : 05 Marks
- Review 1 : 10 Marks
- Review 2 : 10 Marks
- Product development : 25 Marks
- Publication/Presentation of Paper : 05 Marks
- Final Presentation : 05 Marks
- Project Report : 10 Marks

h. Full Semester Internship:

100 marks are awarded for continuous assessment and following is the pattern for the award of 100 marks.

- Internship Progress Report : 10 Marks
- On Site Assessment : 15 Marks
- Assessment by Industry : 50 Marks (Intern Assessment Tool)
- Final Assessment on Campus : 25 Marks

i. Employability Skills:

Students shall take this course during from 3rd – 6th semesters and will have three components 1) Aptitude Skills AS 2) Soft Skills_SS and 3) Domain Specific Skills_DSS having equal weightage. The course content for AS and SS will be common for all the programs whereas the course content for DSS will be program specific and shall be notified before the commencement of every semester based on the demand and need.

The students will be assessed in all the three components in each of the semesters with equal weightage. For the two components AS & DSS the students are assessed based on the marks secured in continuous assessment. For SS, the students are assessed based on the performance in various activities. A minimum of 16 periods shall be allotted for each stream per semester.

Assessment for Aptitude Skills

For continuous assessment, tests will be conducted along with midterm examinations. 20 marks will be awarded by taking into account 80% of marks secured in 1st best assessment test and 20% marks secured in 2nd best assessment test

Assessment of Soft Skills

Minimum of six activities are conducted for SS training in a semester. Assessment for Soft Skills is done based on the participation and performance of the students under different SS activities. Students are expected to perform in at least four activities to get qualified in each semester out of six activities.

Under continuous assessment, the students will be assessed for the four activities based on this performance for 20M.

Assessment of Domain Specific Skills

The Domain specific skill training will be preferably a training program on branch specific Application Software tool. For continuous assessment, tests will be conducted along with midterm examinations. 20 marks will be evaluated by taking into account 80% of marks secured in 1st best assessment test and 20% marks secured in 2nd best assessment test.

The sum of the marks scored in all the three components put together is considered as a continuous assessment of the Employability course.

7.2 Semester End Assessment

After the completion of the course work as per the academic calendar, semester assessment will be done for all courses as per the curriculum. A common schedule will be notified by the controller of examinations for all the semester end examinations. All the students who fulfill the attendance requirements shall be eligible to appear for the semester end examinations.

All the students who could not clear the semester end examinations for those courses that carry credits will be given an opportunity to appear for the supplementary examinations conducted subsequently.

a. **Theory Course:**

For all the theory courses students shall appear for subjective examination of three hours duration and the assessment will be done for Max of 70 Marks. Students shall score a min of 25 marks **(35% of 70 marks rounded off to higher integer)** and score a min of 40 marks (40% of 100 Marks) in continuous and end semester assessment both put together to clear the course and acquire the credits.

b. **Laboratory Course**

Students are assessed for a Max of 70 marks during the semester end assessment and the assessment will be done by an internal and external examiner appointed by CoE.

- Procedure   : 20 marks
- Experimental work & Results   : 30 marks
- Viva voce   : 20 marks.

Students shall score min of 25 marks (35% of 70 marks) and score a min of 40 marks (40% of 100 marks) in continuous and end semester assessment both put together to clear the course and acquire the credits**.**

c. Integrated Course

Theory part:
For the theory part students shall appear for a subjective examination of three hours duration and the assessment will be done for Max of 70 Marks.

Laboratory Part:
For the Laboratory part students shall appear for the examination of three hours duration and the assessment will be done for Max of 20 Marks.

Students shall score a min of 25 marks (35% of 70 marks) in the theory part and a min of 7 marks (35% of 20 marks) in the semester end examination. However, the students shall score a min of 52 marks (40% of 130 marks) in total both semester end and continuous assessment put together.

In case the students fails to secure min of 35% marks in the semester end theory part and lab part, he/she shall appear for both theory and lab supplementary examinations.

d. Engineering Graphics:
Students are assessed for a Max of 70 marks during the semester end assessment and the assessment will be done along with theory examination as per the schedule. Students shall score min of 25 marks (35 % of 70 marks) and score a min of 40 marks (40% of 100 marks) in continuous and end semester assessment both put together to clear the course.

e. Term Paper:
Students are assessed for a Max of 70 marks during the semester end assessment and the assessment will be done by an internal and external examiner appointed by CoE. Students shall score min of 25 marks (35% of 70 marks) and score a min of 40 Marks (40% of 100Marks) in continuous and end semester assessment both put together to clear the course and acquire the credits.

f. Audit Courses:
Students are assessed for a Max of 50 marks by an MCQ test conducted on Moodles platform and score a min of 20 Marks (40% of 50 marks) to clear the course. The assessment will be conducted along with semester end examinations from 3rd semester onwards for both the opted and common audit courses. The students shall clear the course by the end of 6th semester.

g. Mini Project:
Students are assessed for a Max of 70 marks during the semester end assessment and the assessment will be done by an internal and external examiner appointed by CoE. Students shall score min of 25 marks (35% of 70 marks) and score a min of 40 Marks (40% of 100Marks) in continuous and end semester assessment both put together to clear the course and acquire the credits.

h. Project Work:
Students are assessed for a Max of 100 marks during the semester end assessment and the assessment will be done by the project evaluation committee appointed by the Chief controller of examination. Assessment will be based on the project report submitted and presentation given by the project team.

Students shall score a min of 35 marks (35% of 100 Marks) in the end semester assessment and score a min of 80 marks (40% of 200 Marks) in continuous and end semester assessment both put together to clear the course and acquire the credits.

i. **Full Semester Internship:**

Students are assessed for a Max of 100 marks during the semester end assessment and the assessment will be done by evaluation committee appointed by Chief controller of examination. Assessment will be based on the internship report submitted and presentation given by the students.

Students shall score a min of 35 marks (35% of 100 Marks) in the end semester assessment and score a min of 80 marks (40% of 200 Marks) in continuous and end semester assessment both put together to clear the course and acquire the credits

j. **Summer Internship**

In Summer internship I & II Students are assessed for a maximum of 50 marks during the 5th and 7th semesters respectively and the assessment will be done by two examiners appointed by CoE. For both summer internships I & II, the students shall clear the assesment by securing min of 20 marks (40% of 50 Marks) and acquire credits. These credits will be reflected in 5th and 7th semester grade memos.

Summer Internship- I:
- Report : 25 Marks
- Oral Presentation : 25 Marks

In case of the students who have taken MOOCS/Online internship as a substitute to summer internship-I, the assessment will be based on the marks/Grade secured in the courses/Online Internship. In case the students fail to clear the summer internship-I, the student shall appear for the subsequent supplementary examinations

Summer Internship-II:
- Assessment1 (Cognitive MCQs): 20 Marks
- Assessment2 (Technical MCQs): 20 Marks
- Comprehensive Test (Cognitive& Technical- MCQs and Programs): 30 Marks

For finalization of the 50 marks, highest marks secured among the two assessments and Marks secured in the Comprehensive test will be considered. In case the students fail to clear the summer internship-II, the student shall appear for the subsequent supplementary examinations.

k. **ECA &CCA (Health and Wellness, Yoga and Sports, NSS/NCC, Community Service):**

Students are assessed for a Max of 100 marks. A student can select 6 activities of his/her choice with a minimum of 01 activity per unit. Each activity shall be evaluated by the concerned teacher for 15 marks, totaling to 90 marks. A student shall be evaluated by the concerned teacher for 10 marks by conducting viva voce on the subject.

l. **Employability Skills (ES):**

The students will be assessed in all the three components i.e 1) Aptitude Skills-AS 2) Soft Skills-SS and 3) Domain Specific Skills-DSS at the end of 3rd, 4th, 5th and 6th semesters with equal score of 30 marks each. Assessment will be by an MCQ based question paper having 90 questions with equal weightage to the three components.

Students shall score a min 32 marks in the MCQ test **(35% of 90 marks rounded off to higher integer)** in the end semester assessment and score a min of 60 Marks (40% of 130 Marks) in continuous and end semester assessment both put together to clear the course.

The total marks secured by the student in both 3rd and 4th semesters will be scaled down to 100 marks for the calculation of the overall grade point and will be reflected in the 4th semester grade memo. Similarly, the grade point for the 5th and 6th semesters will be reflected in the 6th semester grade memo.

Student who fails to score a min of 32 marks (35% of 90 marks) in the semester end assessment and a min of 60 Marks (40% of 150 Marks) in continuous and semester end assessment both put together shall appear for the subsequent supply exams

8. Credit Transfer Policy for MOOCs

The curriculum shall allow up to a maximum of 20% of the total courses being offered in a particular programme i.e. maximum of 32 credits through MOOCs platform.

9. Attendance Requirements:

If his/ her academic progress and conduct have been satisfactory...

a. It is desirable for a candidate to put on 100% attendance in all the subjects. However, a candidate shall be permitted to appear for the semester end examination by maintaining at least 75% of attendance on an average in all the courses in that semester put together.

b. The shortage of attendance on medical grounds can be condoned to an extent of 10% provided a medical certificate is submitted to the Head of the Department when the candidate reports back to the classes immediately after the leave. Certificates submitted afterwards shall not be entertained. Upon the payment of the Condonation fee as fixed by the college, students who put on attendance between ≥ 65% and <75% shall be permitted to appear for the semester end examinations. Attendance may also be condoned as per the State Government rules for those who participate in sports, co-curricular and extra-curricular activities provided their attendance is in the minimum prescribed limits for the purpose and recommended by the concerned authority.

c. In case of the students having overall attendance less than 65% after condonation shall be declared detained and has to repeat semester again.

d. During the Summer Internship -I, Summer internship-II and Full semester Internship it is required for the candidate to put on 90% of attendance. The shortage of attendance on medical grounds can be condoned to an extent of 15% and permitted to appear for the final assessment by maintaining at least 75% of attendance.

e. If the candidate failed to maintain 75% of attendance during FSI he /she shall be declared detained and has to repeat FSI, however the student will be allowed to appear for semester end examinations of two self-study courses.

f. If the candidate detained in FSI in the 8th semester, he/she will be allowed to repeat the FSI immediately after completing the 8th semester. If the candidate could not complete FSI in the 7th semester, he/she will be allowed to continue in the 8th semester course work and needs to repeat the FSI, with immediately after completing the 8th semester.

g. For the students repeating the FSI, with regard to two self-study courses, student have an option of taking the continuous and end semester assessments together either in the regular slot or while repeating FSI.

h.   If the candidate failed to maintain 75% of attendance during Project Work bundle either in 7th or 8th semester, he/she shall repeat the same in the next year.

i.   In case of the student having less than 65% of attendance in any of the theory/lab courses/ECA & CCA activities/Employability skills during a particular semester and less than 75% in Summer Internship-I/Summer Internship-II, he/she will not be permitted to appear for the semester end examination in the that particular course.

j.   In all such cases, the students need to register for the makeup classes which will be notified by the CoE office at appropriate time. The students shall secure 90% of the attendance in the make-up classes to appear for the semester end assessment and   will be treated as a second attempt. The number of makeup classes to be conducted will be at least 35% of the regular class work taken in a particular course.

10. Promotion Policies:

a.   In four-year, B. Tech. Programme, a student shall be promoted from 2nd year to 3rd year only if he/she fulfils the academic requirements and earning of minimum 50% of credits up to 2nd year

b.   In four-year, B. Tech. Programme, a student shall be promoted from 3rd year to 4th year only if he/she fulfils the academic requirements and earning of minimum 50% credits up to 3rd year

c.   In three-year, lateral entry B. Tech. Programme, a student shall be promoted from 3rd year to 4th year only if he/she fulfils the academic requirements and earning of minimum 50% credits up to 3rd year

11. Graduation Requirements:

a) Academic Requirements:

The following academic requirements shall be met for the award of the B. Tech. degree:

❖   Students shall secure 160 credits for the regular B. Tech. Programme and 120 credits for the students who entered in second year through lateral entry scheme and CGPA is calculated accordingly for the award of Grade/Class/Division.

❖   A student of a regular Programme who fails to earn 160 credits within eight consecutive academic years from the year of his/her admission shall forfeit his/her degree and his/her admission stands cancelled.

❖   A student of a lateral entry Programme who fails to earn 120 credits within six consecutive academic years from the year of his/her admission shall forfeit his/her Degree and his/her admission stands cancelled.

b. Grading:

As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades and corresponding percentage of marks shall be followed.

Each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

A student obtaining Grade 'F' or Grade 'AB' in a subject shall be considered failed and will be required to reappear for that subject when it is offered the next supplementary examination.

For non-credit audit courses, "Satisfactory" or "Unsatisfactory" shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA/Percentage.

Structure of Grading of Academic Performance

Range of Percentage of Marks	Qualitative Meaning	Letter Grade	Grade Point
90 & above	Superior	S	10
80 - 89	Excellent	A	9
70 - 79	Very Good	B	8
60 - 69	Good	C	7
50 - 59	Average	D	6
40 - 49	Pass	E	5
< 40	Fail	F	0
Absent	Absent	AB	0

Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

SGPA: Semester Grade Point Average is the ratio of sum of the product of the number of credits with the grade point scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student.

CGPA: Cumulative Grade Point Average (CGPA) will be computed in the same manner considering all the courses undergone by a student over all the semesters of a program.

Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.
While computing the SGPA the subjects in which the student is awarded Zero grade points will also be included.

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.
Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by the letters S, A, B, C, D and F.

c. Award of degree:

Classification of degree will be as follows:
I.   CGPA ≥8.0 + No history of arrears +20 addl. Credits   : Degree with Honours
     (20 credits shall be earned through core domain courses)
II. CGPA ≥8.0 + No history of arrears +20 addl. Credits   : Degree with Minors
     (20 credits shall be earned through inter-disciplinary courses)
III. CGPA ≥ 7.5   : Degree with Distinction
IV. CGPA ≥6.5 and < 7.5   : Degree with First Class
V.   CGPA ≥5.5 and < 6.5   : Degree with Second Class
VI. CGPA ≥5.0 and < 5.5   : Degree with Pass Class

- ❖ **First Class with Distinction:** A candidate who acquires credits for the award of the Degree (vide clause 11(a)) having passed all the courses of study of all the eight semesters (six semesters for lateral entry candidates) in the first attempt (without appearing for supplementary exams), within eight consecutive semesters (six consecutive semesters for lateral entry candidates) after the commencement of his/her study and securing a CGPA of 7.5 and above shall be declared to have passed in **First Class with Distinction**.

- ❖ **First Class**: A candidate who acquires credits for the award of the Degree (vide clause 11 (a)) having passed all the courses of study of all the eight semesters (six semesters for lateral entry candidates) and securing a CGPA of 6.5 and above shall be declared to have passed in **First Class**

- ❖ **Second Class**: A candidate who acquires credits for the award of the Degree (vide clause 11 (a)) having passed all the courses of study of all the eight semesters (six semesters for lateral entry candidates) and securing a CGPA of 5.5 and above shall be declared to have passed in **Second Class**

- ❖ **Pass Class**: A candidate who acquires credits for the award of the Degree (vide clause 11 (a)) having passed all the courses of study of all the four semesters and securing a CGPA of 5.00 and above shall be declared to have passed in **Pass Class**

- ❖ **Degree with Honour/Minors**: The students can register for Honours/Minors by earning additional 20 credits over and above the credit requirement of B. Tech. (Regular) Degree Programme and also maintain minimum of 6.5 CGPA in Honours/Minors courses clearing the courses in single attempt.

<div align="center">

CGPA to Percentage conversion Formula – (CGPA – 0.5) x 10

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d. **Grafting:**

In order to extend the benefit to the students with one/ two backlogs after either 6th semester or 8th semester, a GRAFTING option is provided to the students enabling their placements and fulfilling graduation requirements. Following are the guidelines for the Grafting:

- ❖ Grafting of the marks will be done among the courses within the semester. A maximum of 10% of max marks in semester end examinations shall be drawn from any one of the cleared courses in the semester and will be grafted to the maximum of any two failed courses in the same semester.

- ❖ Students shall be given a choice of grafting only once in the 4 years Programme, either after 6th semester (Option#1) or after 8th semester (Option#2)

- ❖ Option#1: Applicable to students who have maximum of TWO theory courses in 5th and/or 6th semesters.

- ❖ Option#2: Applicable to students who have maximum of TWO theory courses in 7th and/or 8th semesters.

- ❖ Students can opt for grafting only after declaration of the results for regular examinations conducted for 6th or 8th semesters.

- ❖ Eligibility for grafting:
    i. He/she must appear in all regular or supplementary examinations as per the provisions laid down in regulations for the courses, he/she appeals for grafting
    ii. The marks obtained by her/him in latest attempt shall be taken into account for grafting of marks in the failed course(s)
    iii. Grafting is applicable only for theory courses.

- ❖ Students having no backlog history till 5th semester /7th semester and would like to avail grafting in 6th/8th semester respectively are eligible for the award of a B.Tech degree first class with distinction. Further, students who clears the courses will also be eligible for Honours/Minors

e. **Betterment Chance:** Student who clears all the subjects up to 6th semester and wishes to improve their CGPA can register and appear for one betterment chance for maximum of any five theory courses up to 6th semester. Betterment chance can be availed along with 7th and 8th semester examinations by paying the registration and examination fee. Students who opts the "Betterment Chance" will also be eligible for the award of a B.Tech degree first class with distinction and will also be eligible for Honours/Minors.

f. **Quick Supplementary Examination:** The supplementary examinations for the 8th semester will be conducted as a Quick Supplementary Examination (immediately after the completion of 8th semester) to clear the failed courses of 8th semester.

g. **Memorandum of marks:** All the candidates who register for the semester end examination will be issued a memorandum of marks by the Institute. Apart from the semester wise grade memos, the institute will issue the consolidate grade memo subject to the fulfillment of all the academic requirements.

12. Eligibility for Degree with Honours or Degree with Minors

The curriculum provides flexibility to enable the competent students to register for B. Tech. degree with Honours or B.Tech Degree with Minors by earning additional 20 credits which are over and above 160 credits for the award of B. Tech. (Regular) degree. He/She shall register Honours/Minors by paying registration fee during the 4th semester provided he/she secures ≥ 8 CGPA clearing all the courses in single attempt till 3rd semester. In case of students admitted through lateral entry, the CGPA compliance will be considered from 3rd semester performance and diploma CGPA.

The students shall have scope to earn these additional 20 credits from 4th semester onwards and at any point of time if he/she wishes to withdraw from B. Tech. (Honours) program, the additional credits acquired till that time will get lapsed and cannot be used to compensate with those 160 credits needed for the award of the degree. A separate grade sheet will be issued to the students who register for the Honours and minors degree program indicating the domain name for Honours and Minor degree title name for Minors along with the GPA.

All the students who maintain ≥ 8 CGPA are eligible to enrollment for B. Tech. with Honours, However, registration for Minors degree will be limited to maximum of 35% of the total intake in a particular batch of students.

These additional courses offered by the program may change from time to time based on the demand and resources availability. The courses may be offered in different modes i.e. guided learning/taught courses/Blended mode or combination.

To acquire 20 additional credits, the students shall register for four 4-credit courses under the list of the courses offered by the respective departments and acquire the balance 4 credits by taking One course on self-study mode (MOOCs) course as per the prescribed syllabus

For the award of **B. Tech. degree with Honours** an additional 20 credits shall be earned by taking the courses offered by the respective department of study in one domain. A set of five courses are offered under each of the four different domains, preferably from the new emerging areas as recommended by the BoS.

For the award of **B. Tech degree with Minors** an additional 20 credits shall be earned by taking the inter-disciplinary courses offered preferably from the new emerging areas by the other departments. Minors degree will be awarded with a Title among the pool of titles recommended by the various BoS.

The students who acquire 20 additional credits and maintain 8.0 CGPA at the time of registration and graduation clearing all the courses in single attempt and acquiring 160/120(lateral Entry) credits will be awarded the B.Tech degree Honours or Minors.

The students shall register for the courses related to additional 20 credits as per the calendar released by the respective departments and clear them in a single attempt. All the students who maintain 8.0 CGPA at the time of registration and graduation in regular B.Tech courses and acquire GPA of minimum of 6.5.in Honour/Minor courses are eligible for the award of B. Tech. (Honours)/B.Tech (Minors) . Any student who fails to full fill these conditions will automatically get deregistered for B. Tech. (Honours)/B.Tech (Minors) without any notification. A separate grade memo will be issued for B. Tech. (Honours)/B.Tech (Minors) along with the CGM.

13. Withdrawal from the Examination

Candidates opting for withdrawal from the examination shall not have backlogs by the date of application.

- A candidate for valid reasons which could be due to the overlap of the schedule of the events (Participation in state/national/international sports and games events; NSS or NCC camps; National/international competitions of high repute) with the semester end examination schedule, may be granted permission with prior approval to withdraw from appearing for the examination in any course or courses of only one semester examination during the entire duration of the Degree Programme.

- Withdrawal application shall be valid only if the candidate is otherwise eligible to write the examination and if it is made two weeks prior to the commencement of the examination in that course or courses and recommended by a committee nominated by the principal.

- The candidate opting out of examinations shall appear for all the courses in the next immediate examinations that are scheduled (regular/supply) and will be treated as first attempt.

14. With–holding of Results

If the candidate did not clear all the tuition fee dues or if any case of indiscipline or malpractice is booked against him/her, the result of the candidate shall be withheld in such cases.

15. Multiple Entry / Exit Option

(a) Exit Policy:

The students can choose to exit the four-year programme at the end of first/second/third year.

i) **UG Certificate in (Field of study/discipline)** - Programme duration: First year (first two semesters) of the undergraduate programme, 40 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6-credit job-specific internship/ apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.

ii) **UG Diploma (in Field of study/discipline)** - Programme duration: First two years (first four semesters) of the undergraduate programme, 80 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6-credit job-specific internship/ apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.

iii) **Bachelor of Science (in Field of study/discipline)** i.e., **B.Sc. Engineering in (Field of study/discipline)**- Programme duration: First three years (first six semesters) of the undergraduate programme, 120 credits.

(b) Entry Policy:

Modalities on multiple entry by the student into the B.Tech. programme will be provided in due course of time.

Note: The Institute shall resolve any issues that may arise in the implementation of Multiple Entry and Exit policies from time to time and shall review the policies in the light of periodic changes brought by UGC, AICTE and State government.

16. Gap Year Concept:

The curriculum provides flexibility for the students to take a break of one year at any time after the end of I/II/III year of study to pursue entrepreneurship full time. This period of gap shall be counted within the maximum time of graduation. The student shall apply for the gap year before the commence of the respective academic year.

17. Semester Away Programme (SAP):

Interested students can have the option of undergoing Semester Away Programme during 7th or 8th semester with Higher Learning Institutions at Foreign Countries or Institutions of National Repute or Research Organizations in India, by earning necessary credits as per the curriculum subject to the terms and conditions as prescribed by the respective host organization. The student shall acquire 8 credits at the host institution to compensate the 8 credits required for the Project and take up the other three courses in self-study mode as per the curriculum. The students who are interested in opting for SAP shall register at the beginning of 6th semester and initiate the process with the host institute.

18. Transitory Regulations:

To enable the students to get into GMRIT either by Re-admission, Admission, or Transfer from other Autonomous and Non-Autonomous Engineering colleges affiliated to JNTUK/Academic regulation within GMRIT, the following transitory regulations will be applicable based on the situation and the case of transfer following are possible cases that may arise in transitory regulations

- Transfer of a student from a non-autonomous engineering college affiliated to JNTUK
- Transfer of a student from an Autonomous engineering college affiliated to JNTUK
- A student within the Institution gets transferred from one regulation to the other regulation

a. Transfer of candidates from Non-Autonomous Engineering College affiliated to JNTUK:

A student who wishes to transfer from a non-autonomous engineering college affiliated to JNTUK either in the 3rd semester or thereafter, shall acquire the credits required for graduation as per the GMRIT regulations and the following two cases may arise.

Students getting admission into 3rd semester shall be treated at par with the lateral entry students and shall complete all the course works in the 1st & 2nd semester before joining as per the JNTUK regulations. The credits acquired per course during 1st & 2nd semester will be calculated as per the GMRIT regulations. In case of any credit mismatch for the 1st & 2nd semester when compared with JNTUK regulations, the student shall take the additional courses approved by the concern Board of Studies and Academic council during 3rd semester at GMRIT.

Students getting admission into 5th or 7th semesters, the students shall clear all the earlier courses under JNTUK regulations and curriculum before joining and acquiring the required credits. The credits acquired per course at JNTUK regulation will be calculated as

per the GMRIT regulations. After joining at GMRIT the students shall follow the GMRIT regulations and in case of credits mismatch, students will take up additional courses approved by the concern Board of Studies and Academic council at GMRIT

After getting necessary approvals from the concerned Board of Studies & Academic council the details of the transferred students will be forwarded to the University.

b. Transfer of candidates from an Autonomous college affiliated to JNTUK:

A student who wishes to transfer from an Autonomous engineering college affiliated to JNTUK either in the 3rd semester or thereafter, shall acquire the credits required for graduation as per the GMRIT regulations and the following two cases may arise:

Students getting admission into 3rd semester shall be treated at par with the lateral entry students and shall complete all the course works in the 1st & 2nd semester before joining as per the other Autonomous regulations of the earlier college. The credits acquired per course at the earlier autonomous college will be calculated as per the GMRIT regulations. In case of any credit mismatch for the 1st & 2nd semester when compared with the previous Autonomous college regulations, the student shall take the additional courses approved by the concern Board of Studies and Academic council during from 3rd semester at GMRIT.

Students getting admission into 5th or 7th semesters, the students shall clear all the earlier courses under the earlier college regulations and curriculum before joining and acquire the required credits. The credits acquired per course at the earlier autonomous college will be calculated as per the GMRIT regulations. After joining at GMRIT the students shall follow the GMRIT regulations and in case of credits mismatch, students will take up additional courses approved by the concern Board of Studies and Academic council at GMRIT.

After getting necessary approvals from the concerned Board of Studies & Academic council the details of the transferred students will be forwarded to the University.

c. Students getting readmitted within GMRIT moving from one regulation to another regulation.

A student who gets admission into one regulation in the first year shall continue with the same graduation requirements in terms of total credits required for the award of Degree.

However, in case the students get readmitted into a subsequent new regulation, and if the readmission is in the 1st semester, the student shall follow the new regulations and secure the required number credits in the new regulations.

In case the students getting readmitted into a subsequent new regulation, and if the readmission is into any of the semesters from 2nd to 4th semester, the student shall follow the regulations applicable to the ongoing batch to which he/she gets admitted and continue in the same regulation till graduation. The substitute courses will be offered, and number of credits/ semesters shall be compensated and balanced between the old and new regulations on case-to-case basis. Necessary approvals from the concern Board of Studies and Academic council shall be taken

In case the students getting readmitted into a subsequent new regulation, and if the readmission is into any of the semesters from 5th to 8th semester, the student shall follow the regulations applicable as per the regulations existing at the time of his/her admission and will clear all the subjects and acquire the credits for graduation. For all the common courses he/she will continue along with the students in the new regulations. Necessary approvals from the concern Board of Studies and Academic council shall be taken.
After getting necessary approvals from the concerned Board of Studies & Academic council the details of the transferred students will be forwarded to the University.

19. **Minimum Instruction Days for a Semester:**

The minimum instruction days including exams for each semester shall be heck mistakes if any 90 days.

20. **Medium of Instruction:**

The medium of instruction of the entire B. Tech undergraduate programme in Engineering &Technology (including examinations and project reports) will be in English only.

21. **General Instructions:**

- The academic regulations should be read as a whole for purpose of any interpretation.
- Malpractices rules-nature and punishments are appended.
- Where the words "he", "him", "his", occur in the regulations, they also include "she", "her", "hers", respectively.
- The Institute may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified.
- In the case of any doubt or ambiguity in the interpretation of the guidelines given, the decision of the Head of the institution is final.