GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Accredited by NAAC || Approved by AICTE, New Delhi || Affiliated to Anna University, Chennai Chennai-Tirupathi Highway, Tiruttani – 631209



B.E / B.Tech., Regulations 2024 (R-2024)

CHOICE BASED CREDIT SYSTEM (CBCS)

and

OUTCOME BASED EDUCATIONS (OBE)

Common to all B.E / B.Tech. Full-Time Programmes (For Students Admitted from the Academic Year 2024-2025 Onwards)



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Chennai Tirupathi Highway, Tiruttani - 631209

www.grt.edu.in

REGULATIONS 2024

CHOICE BASED CREDIT SYSTEM and OUTCOME BASED EDUCATION

Common to all B. E. / B. Tech. Full-Time Programmes

These regulations are applicable to all candidates admitted into **B.E./B.Tech. Degree Programmes** at GRT Institute of Engineering and Technology, Tiruttani 631209, from the academic year **2024 – 2025 onwards**.

1.	PRELIMINARY DEFINITIONS AND NOMENCLATURE
	In this Regulation, unless the context otherwise specifies.
	• "University" means affiliating University, ANNA UNIVERSITY, CHENNAI.
	• "Programme" means Degree Programme (i.e) B.E./B.Tech. Degree Programme.
	• "Branch" means Discipline or Specialization of B.E./B.Tech. Degree Programme, like Civil Engineering, Mechanical Engineering, etc
	• "Course" means a theory, theory cum practical and practical subject that is normally studied in a semester, like Calculus and Linear Algebra, Problem Solving and C Programming, etc.
	• "Credit" means a numerical value allocated to course units to describe the students" workload required per week.
	• "Grade" means the letter grade assigned to each course based on the marks range specified.
	• "Grade point" means a numerical value (0 to10) allocated based on the grade assigned to each course.
	"OBE" means Outcome Based Education
	 "CBCS" means Choice Based Credit System: CBCS is a flexible system of learning that permits students to learn at their own pace. Choose electives from a wide range of elective courses offered by the departments. Adopt an inter-disciplinary approach in learning.
	• "Head of the Institution" means the Principal, Chairman, Academic Council of the College.
	• "COE" means Controller of Examinations means the authority of the College who is responsible for all activities of the Examinations.
	• "HOD" means Head of the Department concerned.
	"PAC" means Programme Assessment Committee
	"AEC" means Assessment Evaluation Committee

2.	ELIGIBILITY FOR ADMISSION						
2.1	Admission t	to First Y	Years				
	The candidat programme:	tes seeki	ng admission for the first semester to the eight semeste	er B.E. / B.T	ech., degree		
(i)	Should have passed the Higher Secondary Examinations of (10+2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.						
			(OR)				
(ii)			the Higher Secondary Examination of Vocational Stre B.Tech. admission as per Government of Tamil Nadu).	eam (Vocati	onal groups		
2.2	Lateral Ent	ry Admi	ssion				
	The candidate programme:	tes seeki	ng admission for the third semester to the eight semester	er B.E./ B.T	ech., degree		
(i)	The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamil Nadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech., as per the rules fixed by Government of Tamil Nadu.						
			(OR)				
(ii)	 The candidates who possess the Degree in Science (B.Sc.) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech. Such candidates shall undergo two additional Engineering subject(s) in the third and fourth semesters as prescribed by the College. 						
3.	PROGRAM	IMES O	FFERED				
			ammes/disciplines of study approved by Anna University l Education, New Delhi are offered by the College.	y, Chennai a	nd All India		
			Table I - Programmes Offered by the College				
		S. No	Branch	Code			
		1	B.E., - Mechanical Engineering	ME			
		2	B.E., -Electrical and Electronics Engineering	EE			
		3	B.E., -Electronics and Communication Engineering	EC			
		4	B.E., -Biomedical Engineering	BM			
		5	B.E., -Computer Science and Engineering	CS			
		6	B.Tech Artificial Intelligence and Data Science	AI			
		7	B.TechInformation Technology	IT			
4.	STRUCTU	RE OF F	PROGRAMMES				
			two educational frameworks that have gained traction e quality and flexibility of education. Here's a brief overv				
			ional approach that focuses on defining specific learning the end of a course or program.	g outcomes t	hat students		

	• Instead of focusing solely on content delivery, OBE emphasizes what students are expected to know, understand, and be able to do after completing their education.
	• OBE encourages a shift from a teacher-centred approach to a learner-centred approach, where the emphasis is on student mastery of skills and knowledge rather than simply covering a prescribed curriculum.
	• Assessment in OBE is aligned with the defined outcomes, often using rubrics and performance tasks that measure students' ability to demonstrate their learning.
	• CBCS is a system that allows students to choose courses from a list of elective courses offered by an institution, in addition to the core courses required for their program.
	• Each course is assigned a certain number of credits, and students earn credits upon successful completion of a course.
	• CBCS provides flexibility for students to pursue their academic interests and tailor their education according to their career goals.
	• The system also facilitates mobility between institutions, as credits earned in one institution can often be transferred to another, provided they are part of the same CBCS framework.
	Combining OBE with CBCS can provide a comprehensive educational experience that focuses on
	both student learning outcomes and flexibility in course selection. By defining clear learning
	outcomes and allowing students to choose courses that align with their interests and goals,
	institutions can better prepare students for success in their chosen fields and adapt to the evolving
	needs of the workforce. Additionally, both frameworks can contribute to fostering a culture of
	continuous improvement and innovation in higher education.
4.1	Categorization of Courses
	The B.E./B.Tech program will feature a curriculum inclusive of syllabi consisting of Theory, Theory cum Practical, and Practical courses in every semester, alongside professional skills training/industrial training, Project work, Internship, etc. These components have been duly sanctioned by the respective Board of Studies and Academic Council of the College. All programs adhere to clearly defined Programme Outcomes (PO), Programme Specific Outcomes (PSO), and
	Programme Educational Objectives (PEOs) in accordance with OBE) principles. Each course's content is crafted based on the Course Outcomes (CO). The courses will be classified into the following categories:
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4.2	Personality and Character Development
	Upon admission, all students will be required to enrol in one of the personality and character development programs: NCC/NSS/YRC/UBA/NSO and undergo training for about 80 hours. The training shall include classes on hygiene and health awareness and training in first aid. Activities of science, literature and fine arts also will be helpful for personality and character development.
	• National Cadet Corps (NCC) will have about 20 parades.
	• National Service Scheme (NSS) will encompass social service activities within and around the College/Institution.
	• The Youth Red Cross (YRC) will engage in social service activities within the College/Institution and its surrounding areas.
	• Unnat Bharat Abhiyan (UBA) integrates higher education academic institutions with local communities.
	• National Sports Organization (NSO) will feature Sports, Games, Drills, and Physical exercises.
	While the training activities will normally be during weekends, the camp will normally be during vacation period.
	The Science club will arrange activities aimed at popularizing science and fostering scientific curiosity. These activities may include astronomy, studying the works of renowned scientists from India and abroad, and commemorating National Science Day.
	A Literary Club, such as the "Tamil Ilakkiya Mandram," will be established to organize vibrant literary events promoting humanist values, morals, and ethical principles depicted in literature.
	The Fine Arts Club will encourage pursuits like music, painting, and the creation of documentary films with social themes.
	 Students who enrol and take active participation in anyone of the above activities for 80 hours and participate at least one event/programme will be given a certificate by the Head of the Institution and the copy of the same shall be forwarded to the Controller of Examinations for the purpose of record and scrutiny. No fee shall be charged for all these activities.
4.2.1	Induction Programme
	• Induction Programme is mandatory for the students pursuing the Undergraduate Programme.
	• List of students who have successfully completed the Induction Programme shall be certified by the Head of the Institution.
	• The completion of the Induction Programme shall be printed in the Grade Sheet as "COMPLETED".
	• In the case of students who have got admitted later and those who have not attended the Induction Programme at the time of joining the degree programme, it shall be conducted later and on completion, it shall be recorded in the grade sheet.
	• No fee will be charged towards the conduct of the Induction Programme and for including in the STATEMENT OF GRADES for the successful completion of the Induction Programme.
4.3	Number of Courses Per Semester
	Each semester curriculum shall normally have maximum of 7 Theory and Laboratory integrated Theory courses and 5 Laboratory courses and Employability Enhancement Course(s) put together. However, the total number of courses per semester shall not exceed 12. Each course will be credited according to Clause 4.4

Course Code and Credit Assignment		
COURSE CODE Each course offered by a department under Professional Core Courses cat course code consisting of two alphabets, followed by five numerals. First code of the Programme. First two numerals denote the code of the Re denotes 'Semester' and last two numerals denotes the unique identification n For example, in B.E., Mechanical Engineering programme, a particular semester is denoted as	two alphabegulation. Thumber of the	ets denote Third nume he course.
ME 24 1 01 WE 24 1 01 Unique identification number of the course Code of the Programme Code of the Regulation Semester		
 For Professional Elective Courses offered by the Department, the 'Semester' is designated as 'P'. For Open Elective Courses offered by the Department, the third nume designated as '9'. 		
 For common mandatory courses offered by the Department, the third nuis designated as 'C'. For Skill Development Courses offered by the Department, the third nuis designated as 'S'. For Management Elective Courses offered by the Department, the Semester is designated as 'M'. 	imeral deno	oting Seme
CREDIT ASSIGNMENT Every B.E. / B. Tech. Programme will have a curriculum comprising co prescribed syllabi. Each course is assigned with certain number of credits b L-T-P-C (L- Lecture, T- Tutorial, P- Practical, C-Credit) as specified in 7 week mentioned for each course refer to periods per week. Each course is r	ased on the Table III .	contact ho The hours
Every B.E. / B. Tech. Programme will have a curriculum comprising coprescribed syllabi. Each course is assigned with certain number of credits b	ased on the Table III .	contact ho The hours
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	Elective Courses								
	The professional Elective Courses are listed in the Curriculum in Table format as vertical (Specialization groups). A student can choose all the Professional Elective Courses either from or of the verticals or a combination of courses from all verticals in a semester. However, studen irrespective of enrolling for additional courses for B.E. / B. Tech. (Hons.) are not permitted to choose more than one course from a row.								
	In the subsequent semesters students are permitted to enrol one more course in a row, provided he/she has cleared the earlier course of the same row. For a professional elective course and ope elective course, minimum number of students enrolment permitted shall be 10. However, the minimum number is not applicable for students enrolling B.E. / B. Tech. (Hons) and B.E. / B. Tech. Minor. For the offer of each professional elective at least two choices shall be offered.								
.5.1	Procedure to dr point	op Professional	Elective / Open I	Elective course(s) and	computation of (
	A student may accumulate up to 6 credits through such courses, and such credits will be considered in lieu of the Professional Elective and/or Open Elective courses. In this regard, a student is permitted to drop either 1 or 2 Professional Elective / Open Elective course(s) as per the procedur given below. Table V								
	No. of Courses	Total No. of Credits earned	Courses to be printed in the grade sheet	No. of Professional elective / Open Elective can be dropped	No. of credits considered for GPA / CGP calculation				
	1 2	2 4	1 2	- 1	- 3				
	3	6	3	2	6				
	 recorded in th If a student h and VII, then If a student e then he / she is Further, if th Semester VII course in the is also dropped 1 or 	e grade sheet. has not successfu the same shall no arns 2 credits in is permitted to du e student earns , then he/she is p VII semester. enrolled for skill r 2 PE/OE course	Illy completed the ot be recorded in the Semester V and the rop one Professiona 4 credits up to Se permitted to drop a Il-based courses but es in anticipation o	sfully completed Skill skill-based courses dur e grade sheet. en enrols for another 2 al elective/ open elective mester VI and enrols n additional profession t has not successfully e of pass, then he/she has t to earn the degree.	ing the semesters credits in Semest e course in Semest for another 2 crea al elective/open el earned 4 or 6 credi				
4.5.2	 recorded in th If a student h and VII, then If a student e then he / she is Further, if the Semester VII course in the is also dropped 1 of the case may be) 	e grade sheet. as not successfu the same shall no arns 2 credits in is permitted to du e student earns , then he/she is p VII semester. enrolled for skil r 2 PE/OE course to meet the total	Illy completed the ot be recorded in the Semester V and the rop one Professiona 4 credits up to Se permitted to drop a Il-based courses bu es in anticipation o credit requirements	skill-based courses dur e grade sheet. en enrols for another 2 al elective/ open elective mester VI and enrols n additional profession t has not successfully e f pass, then he/she has	ing the semesters credits in Semest e course in Semest for another 2 crea al elective/open el earned 4 or 6 credi				

			1		1	1					
	For example, for two courses		grad	es o	btai	ned a	re,				
	Course 1– C grade – 5 points										
	Course 2– O grade – 10 points										
	Then, the grade point of the dropped course for the calculation of CGPA is obtained as: $(1x5 +$										
	(2x10)/3 = 8.33.										
	One PE/OE course shall be d	lropped for 3 credits with	grade	e po	int c	comp	uted	as ab	ove.		
		TT	0	I.		· I					
	2. If a student has succ	assfully completed three	S1-11	Do	bor	Cour	0.00	than	the cor	nnutation	n of
		• •								-	
		oing two PE/OE in lieu of									
	For three courses of two crea	-		-						pped PE/	OE
	courses for the calculation of		-								
	Two PE/OE courses shall be	dropped of 3 credits each	, witl	n gra	ade	point	con	iputed	l as abc	ove.	
4.6	Employability Enhancemen	nt Courses									
	Skill based experiential lear	rning courses will be of	fered	in	two	cate	gori	20.20	nurely	Laborat	tory
	-	•					-				•
	Based Courses and Theory		Jourse	es v	viui	the	IOIIC	wing	creans	s. One s	ucn
	course will be offered every		_								
		Table V	<u>I</u>	1		1	1				
		Category	L	Т	Р	С					
			0	0	4	2					
		Laboratory Courses	0	0	2	1					
		Theory integrated	Ū	U	2	1					
		Laboratory Course	1	0	2	2					
		Laboratory Course									
	A student may accumulate u	p to 6 credits through suc	ch co	urse	s, a	nd su	ch c	redits	will be	e conside	ered
	in lieu of the Professional Ele	ective and/or Open Electi	ve co	urse	es.						
	These courses may be offer	red with the support of	the i	den	tifie	d fir	ms/c	ompa	nies ar	nd with	one
	course coordinator per course							1			
	Evaluation Procedure:										
		montional courses are	G.11	into		and	ahal	1 6 .	aintly.	dona hu	th a
	The evaluation of the above		•				snai	i be j	omuy	done by	the
	course coordinator from the i										
	a) If the course involves certification from an identified firm/company, then 20% of the total marks										
	will be included in the intern	will be included in the internal assessment marks, 30% will be included from the marks provided by									
	the firm and 50% shall be evaluated by the respective Course Coordinators of the college by										
	conducting appropriate theory and / or laboratory tests.										
	b) If there is no certification from the firm/company, then 50% will be included from the marks										
	provided by the firm and 5		-		-	cuve	Cou	rse C	ooraina	ators of	the
	college by conducting approp	priate theory and / or labo	rator	y tes	sts.						
4.6.1	Industrial Training / Internsh	iip									
	Students have the option to	undertake Industrial train	ning	for	dura	ation	spec	ified	in the	Curricul	um.
	either during summer or		U				-				
	continuously for the entire p							-		-	
	•	•							-		
	organization or University (• • • • •					-				
	Institution) for the duration p	prescribed in the curriculu	m, ag	gain	dur	ing s	umn	ier or	winter	vacation	ı, in
	place of Industrial training.										
_	If a student accumulates thre	e credits from Industrial	Frain	ing/	Inte	rnshi	p, th	ey ma	y choo	ose to for	ego
	one Professional Elective	e Course/Open Electiv	e C	ours	se.	In	such	i ins	stances.	, Indust	trial
	1	1									

	Training/Internship must be c organization. However, if the st		-				
	degree classification. Students	are permitted to	engage in a ma	ximum of 6 we	eks of Industr		
	Training/Internship throughout t						
	Ta	ble VII - Trainin	g/Internship Cr	edits			
	Duration of Train	ing/Internship		Credits			
	2 weeks			1			
	4 weeks			2			
	6 weeks			3			
	*1 week=40 Intern	ship Hours					
		((DR)				
	innovative ideas, thus becoming can initiate their start-up from premises. Such student entrepre The scope of the start-up could will be evaluated through period	the fifth semest neurs may earn 3 be interdisciplinat	er onwards, eith credits in place by or multidiscipl	er within or ou of Professional s inary. The progr	ttside the colle Skills Training ess of the start-		
4.7	Online Courses / Self Study Co	ourses					
4.7.1	Online Courses						
	Students may be authorized to enroll in and receive credit for online courses provided by platform such as SWAYAM, NPTEL, or esteemed institutions like IITs, NITs, and NASCOM, subject t approval from the Head of the Institution. To ensure academic integrity, the Head of the Institution will establish a committee tasked with verifying that students have not previously completed succ courses and will not duplicate them as part of their Professional Core, Professional Elective, or Oper Elective courses. The number of credits and transfer of credits are based on the procedure explained in Table and the Mapping of the marks with the grades is explained in Table. The mapping of mark with grades is applicable only if the student passes the course as per the guidelines of NPTEL.						
		Duration of the (-				
		No of weeks	No of credits				
		4	1				
		8	2				
		12	3				
	70.11.157.3.4	16	4		D		
	Table IX - Mapping of		in NPTEL Cour	se and Credits	Earned		
		No of weeks	No of credits				
		<u>O</u>	90-100				
		A+	80-89 70-79				
		A					
		R+	60_69				
		B+ B	60-69 50-59				
		B+ B C	60-69 50-59 40-49				

	If a student wishes to seek exemption from Professional Elective Courses (PE) or Open Elective Courses (OE) based on credits earned from online courses, they can do so by submitting a written request to the respective Head of the Department. The committee, formed by the Chairman of the Academic Council, will then decide on the course exemption, following equivalence norms regarding contact hours, credits, and grades. Grades attained by students in online courses that are not claimed for exemption will be factored into the computation of the Cumulative Grade Point Average (CGPA).
4.7.2	Self-Study Courses
	A student may choose to enrol limited to one course during the entire course period under the Self-Study mode, only from the 5th semester. These courses can either be an Open Elective Course (OE) or a Professional Elective Course (PE), subject to specific approval from the committee appointed by the Chairman of the Academic Council. To be eligible, the student must have a CGPA of 7.5 or higher and no standing arrears.
	Under this mode, students will be responsible for independent study, guided by a faculty member approved by the Programme Assessment Committee (PAC). The faculty members will oversee the periodic monitoring and evaluation of the course, ensuring academic progress and adherence to learning objectives. The evaluation methodology shall be the same as that of a theory course.
4.7.3	Elective courses may be waived for a candidate who fulfils the necessary credit requirements outlined in clauses 4.7.1 and 4.7.2, by enrolling in the appropriate number of courses beforehand.
4.8	Value Added Courses (VAC)
	The students may optionally undergo Value Added Courses, and the credits earned through the Value-Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. One / Two credit courses shall be offered by the Department of the institution with the prior approval of BoS and Academic Council. The details of the syllabus, time table and faculty may be sent to the Head of the Institution in advance (at least one month before) for the approval before the course is offered. Students can take a maximum of two one-credit courses / one two-credit course during the entire duration of the Programme.
4.9	Mandatory Courses (MC)
	The student shall study the mandatory courses and it will be mentioned in the Grade Sheet. However, it will not be considered for computation of CGPA.
4.10	Audit Courses (AC)
	The student may optionally study audit courses and it will be mentioned in the Grade Sheet. However, it will not be considered for computation of CGPA.
4.11	Honours / Minor Degree Courses
4.11.1	 B.E / B.Tech. (Hons.) a) The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same programme. b) Should have passed all the courses in the first attempt. c) Should have earned a minimum of 7.50 CGPA taking into account of all the courses prescribed in the curriculum and additional courses.
4.11.2	 B.E./B.Tech. Minor with specialization in another discipline The student should have earned additionally a minimum of 18 credits in anyone of the verticals of other B.E/B.Tech programmes. 1. For these 18 credits students can optionally enroll and study a maximum of 6 credits in online

1	mode from SWAYAM-NPTEL platform (in addition to the three online courses permitted for courses
	of curriculum), as approved by the Centre for Academic Courses.
	2. B.E / B.Tech. (Hons.) and B.E./B.Tech. minor with specialization in another discipline will be
	optional for students and the students shall be permitted to select any one of them only.
	3. The students, including Lateral Entry, shall be permitted to register for the courses from Semester
	V onwards provided the students have earned a minimum CGPA of 7.50 until Semester III and have
	cleared all the courses in the first attempt.
	4. B.E/B.Tech. (Hons.) or B.E./ B.Tech. Minor shall be offered by the Department irrespective of the
	number of students enrolled.
	5. If a student decides not to opt for Honors, after completing certain number of additional courses,
	such additional courses studied shall be considered instead of the Professional Elective courses
	which are part of the curriculum.
	If the student has studied a greater number of such courses than the number of Professional Elective
	courses required as per the curriculum, the courses with higher grades shall be considered for the
4.11.3	calculation of CGPA. The remaining courses shall be printed in the grade sheet however, they will
	not be considered for calculation of CGPA and the same shall be indicated in a foot note
	appropriately.
	If the student has failed in the additional courses or faced shortage of attendance, they will not be
4.11.4	printed in the grade sheet and will not be considered for CGPA calculation and classification of
	degree.
	If a student decides not to opt for Minor, after completing certain number of courses, the additional
4.11.5	courses studied shall be considered instead of Open Elective courses which are part of the
	curriculum.
	If the student has studied more number of such courses than the number of open electives required as
1116	per the curriculum, the courses with higher grades shall be considered for calculation of CGPA.
4.11.6	Remaining courses shall be printed in the grade sheet; however, they will not be considered for
	calculation of CGPA and the same shall be indicated in a foot note appropriately.
	If the student has failed in the additional courses or faced shortage of attendance, they will not be
4.11.7	printed in the grade sheet and will not be considered for CGPA calculation and classification of
4.11.7	
4.11.7 4.12	printed in the grade sheet and will not be considered for CGPA calculation and classification of
	printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.
	printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.Medium of instruction
	printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. Medium of instruction The medium of instruction, examinations, project report etc. shall be in English except for the two
4.12	printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. Medium of instruction The medium of instruction, examinations, project report etc. shall be in English except for the two courses offered in Tamil/Bilingual mode.
4.12	 printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. Medium of instruction The medium of instruction, examinations, project report etc. shall be in English except for the two courses offered in Tamil/Bilingual mode. DURATION OF THE PROGRAMME
4.12	 printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. Medium of instruction The medium of instruction, examinations, project report etc. shall be in English except for the two courses offered in Tamil/Bilingual mode. DURATION OF THE PROGRAMME A student is ordinarily expected to complete the B.E./B.Tech. Programme in 8 semesters (for HSC students) and six semesters (for Lateral Entry students) but in any case, not more than 14 Semesters for HSC (7 Years) students and not more than 12 semesters (6 Years) for Lateral Entry students.
4.12 5 5.1	 printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. Medium of instruction The medium of instruction, examinations, project report etc. shall be in English except for the two courses offered in Tamil/Bilingual mode. DURATION OF THE PROGRAMME A student is ordinarily expected to complete the B.E./B.Tech. Programme in 8 semesters (for HSC students) and six semesters (for Lateral Entry students) but in any case, not more than 14 Semesters
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4.12 5 5.1 5.2	 printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. Medium of instruction The medium of instruction, examinations, project report etc. shall be in English except for the two courses offered in Tamil/Bilingual mode. DURATION OF THE PROGRAMME A student is ordinarily expected to complete the B.E./B.Tech. Programme in 8 semesters (for HSC students) and six semesters (for Lateral Entry students) but in any case, not more than 14 Semesters for HSC (7 Years) students and not more than 12 semesters (6 Years) for Lateral Entry students. For regulation, the academic year will be divided into two semesters, the winter semester normally spanning from June to November and the summer semester from December to May. Each semester shall normally consist of 80 working days or 540 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of
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4.12 5 5.1 5.2	 printed in the grade sheet and will not be considered for CGPA calculation and classification of degree. Medium of instruction The medium of instruction, examinations, project report etc. shall be in English except for the two courses offered in Tamil/Bilingual mode. DURATION OF THE PROGRAMME A student is ordinarily expected to complete the B.E./B.Tech. Programme in 8 semesters (for HSC students) and six semesters (for Lateral Entry students) but in any case, not more than 14 Semesters for HSC (7 Years) students and not more than 12 semesters (6 Years) for Lateral Entry students. For regulation, the academic year will be divided into two semesters, the winter semester normally spanning from June to November and the summer semester from December to May. Each semester shall normally consist of 80 working days or 540 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.
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5.5	The Head of the Institution may instruct the Head of the Departments to conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods for each course. But for the purpose of calculation of attendance requirement or writing the end semester examinations (as per clause 8) by the students, the periods conducted for each course within the given academic schedule as specified in the curriculum for each course shall be considered and the percentage of attendance of each course shall be calculated accordingly. The academic schedule normally commences from the opening/reopening day specified by the Head of the Institution for a particular semester and ends with the previous working day of the end semester theory examination. The following method shall be used for calculating the percentage of attendance.
	Percentage of Attendance = Total no. of periods attended in all the courses per semester X 100 {(No. of periods /week as prescribed in the curriculum) x No. of Weeks taken together for all courses of the semester}
6	COURSE REGISTRATION
6.1	Each student, on admission shall be assigned to a Class Advisor who shall advise/counsel the student about the details of the academic programme and the choice of course(s) considering the student's academic background and career objectives.
6.2	Every student shall enrol for the courses of the succeeding semester, in the current semester. However, the student shall confirm the enrolment by registering for the courses within the first Seven working days after the commencement of the semester concerned.
6.3	After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn Continuous Assessment marks, and appear for the End Semester Examinations.
6.3.1	Each student, on admission to the programme, shall register for all the courses prescribed in the curriculum in the first Semester of study (III Semester for students admitted under lateral entry stream).
6.3.2	The enrolment for all the courses of the Semester II will commence 10 working days prior to the last working day of Semester I. The student shall confirm the enrolment by registering for the courses within the first five working days after the commencement of the Semester II. In case, if a student fails to register in course(s), he / she may be permitted to register the same in the subsequent semesters or when it is offered.
6.3.3	The enrolment for the courses of the Semesters III to VIII will commence 10 working days prior to the last working day of the preceding semester. The student shall enrol for the courses with the guidance of the student's Faculty Advisor. If a student wishes, the student may drop or add courses within five working days after the commencement of the semester concerned and complete the registration process duly authorized by the Class Advisor.
6.3.4	The maximum number of credits that can be registered in a semester is 36 . However, this does not include the number of Re-appearance (U) and Withdrawal (WD) courses registered by the student for the appearance of Examination.
6.3.5	After registering for a course, a student shall attend the classes, satisfy the attendance Requirements), earn Continuous Assessment marks and appear for the End Semester Examinations, except for the arrear courses.

6.4	Reappearance Registration
6.4.1	If a student fails in a theory course, the student shall do reappearance registration (Examination) for
0.4.1	that course in the subsequent semesters or when it is offered next.
	If the theory course, in which the student has failed, is either a professional elective or an open
6.4.2	elective, the student may register for the same professional elective or open elective course,
	respectively in the subsequent semesters.
	If a student is prevented from writing the end semester examination of a course or several courses due to lack of attendance, the student must register for that / those course(s) again, when offered
6.4.3	next, attend the classes and fulfil the requirements by attending the classes and satisfy the attendance
0.4.5	requirements (vide Clause 7.1). Then they can earn Continuous Assessment marks and appear for the
	End Semester Examination.
	If the course, in which the student has 'lack of attendance', is a Professional Elective or an Open
6.4.4	Elective, the student may register for the same or any other Professional Elective or Open Elective
	course(s) respectively in the subsequent semesters and appear in the examination as per clause 6.4.4.
	If a student fails to secure a pass in any theory courses (including elective) he/she is given a
6.4.5	maximum of three arrear attempts to complete the courses. If the student still fails to secure a pass,
	he/she shall register for the same when offered next and repeat the course.
6.5	FLEXIBILITY TO ADD OR DROP COURSES
(= 1	A student has to earn the total number of credits specified in the curriculum of the respective
6.5.1	Programme of study in order to be eligible to obtain the degree.
	From the second to final semesters, the student has the option of dropping existing courses in a
6.5.2	semester during registration. Total number of credits of such courses shall not exceed 6 per semester.
	The student is permitted to drop the course(s) within 30 days of the commencement of the academic
	schedule. From the V to VIII semesters, the student has the option of registering for additional courses in a
	semester. With regard to enrolling for B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor The total
6.5.3	number of credits that a student can add in a semester is limited to 6, subject to a maximum of 2
0.0.0	courses. Maximum number of credits enrolled in a semester (Honours and Minor) shall not exceed
	36.
6.5.4	The online courses registered for B.E. / B. Tech. (Hons.) and B.E. / B. Tech. minor shall be over and
0.5.4	above these 36 credits.
6.6	REQUIREMENTS FOR COMPLETION OF THE SEMESTER
	A student who has fulfilled the following conditions (vide clause 8.1 and 8.2) shall be deemed to
	have satisfied the attendance requirements for appearing for end semester examination of a particular
	course.
	Ideally every student is expected to attend all classes of all the courses and secure 100% attendance.
	However, in order to give provision for certain unavoidable reasons such as medical / participation
6.6.1	in sports, the student is expected to attend at least 75% of the classes. Therefore, he/she shall secure
	not less than 75% (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.5.
	If a student secures overall attendance between 65% and 74% in the current semester due to medical
	reasons (hospitalization / accident / specific illness) or due to participation in the College /
	University / State / National / International level Sports events with prior permission from the Head
6.6.2	of the Department concerned and Principal, the student shall be given exemption from the prescribed
	attendance requirement. The student shall be permitted to appear for the end semester examination
	of that course with recommendations of the committee constituted by the principal, followed by

	paying prescribed fee fixed time to time. In all such cases, the student should submit the required documents on joining after the absence to the Head of the Department through the Proctor.
6.6.3	Students who secure less than 65% overall attendance shall not be permitted to write the University examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.
6.6.4	The student academic progress, character and conduct have to be satisfactory.
7	CLASS ADVISOR
7.1	There shall be a Class Advisor for each class. The Class Advisor will be one among the Course- instructors of the class. He/she will be appointed by the Head of the Department of the department concerned. The responsibilities of the Class Advisor shall be:
7.2	To collect and maintain the records of all the students in the class and various statistical details of students.
7.3	To act as the channel of communication between the Head of the Department and the students of the respective class.
7.4	To help the chairperson of the class committee in planning and conduct of the class committee meetings.
7.5	To monitor the academic performance of the students including attendance and to inform the class committee, Head of the Department and the concerned student
7.6	To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.
7.7	To provide necessary details to COE with the approval of Head of the Department.
7.8	To ensure that each course faculty has informed the method of assessment, weightage and award of marks for all the course offered in the semester, within one week from the commencement of the classes.
8	REQUIREMENTS FOR APPEARING FOR THE END SEMESTER EXAMINATION OF A COURSE
8.1	A student shall normally be permitted to appear for End semester examination of the course if the student has satisfied the attendance requirements and has registered for examination in those courses of that semester by paying the prescribed fee. This permission could be availed by the students only two times during the entire course of study.
8.2	Further, examination registration by a student is mandatory for all the courses in the current semester and all arrear(s) course(s) for the end semester examinations failing which, the student will not be permitted to move to the higher semester.
8.3	When a candidate is deputed for a National / International Sports event during End Semester examination period, supplementary examination shall be conducted for such a candidate on return after participating in the event within a reasonable period of time. Such appearance shall be considered as first appearance.
8.4	A student who has already appeared for a course in a semester and passed the examination is not entitled to reappear in the same course for improvement of letter grades / marks.
9	CLASS COMMITTEE
9.1	 Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the "Quality Circle" (more commonly used in industries) with the overall goal of improving the teaching-learning process. The functions of the class committee include. Solving problems experienced by students in the classroom and in the laboratories.

	 Clarifying the regulations of the degree programme and the details of rules therein particularly clause 5 and 6 which should be displayed on college Noticeboard. Informing the student representatives the academic schedule including the dates of assessments and the syllabus coverage for each assessment. Informing the student representatives the details of Regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing /project work / seminar etc.) the breakup of marks for each experiment / exercise /module of work, should be
	 clearly discussed in the class committee meeting and informed to the students. Analysing the performance of the students of the class after each test and finding the ways and means of solving problems, if any. Identifying the weak students, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.
9.2	The class committee for a class under a particular branch is normally constituted by the head of the department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the principal.
9.3	The class committee shall be constituted within the first week of each semester.
9.4	At least four student representatives (usually 2 boys and 2 girls) shall be included in the class committee.
9.5	The chairperson of the class committee may invite the class advisor and the Head of the department to the meeting of the class committee.
9.6	The principal may participate in any class committee of the institution.
9.7	The chairperson is required to prepare the minutes of every meeting, submit the same to Principal within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.
9.8	The first meeting of the class committee shall be held within one week from the date of commencement of the semester, to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. The Class Committee Chairman shall put on the Notice Board the cumulative attendance particulars of each student at the end of every such meeting to enable the students to know their attendance details to satisfy the clause 8 of this Regulation. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class to improve the effectiveness of the teaching-learning process.
10	COURSE COMMITTEE
	Each common theory course offered to more than one discipline or group, shall have a "Course Committee" comprising all the teachers teaching the common course with one of them nominated as the course coordinator. The nomination of the course coordinator shall be made by the Head of the Department / Head of the Institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The 'Course Committee' shall meet

11	SYSTEM OF EXAMINATION												
11.1	The duration of end semester examination for theory, theory cum practical course and practical courses shall be three hours and normally conducted between October and December during the winter semesters and between April and June during the summer semesters.												
11.2	 Total marks for each course (Theory, Practical, Embedded course & Project work) will be 100, comprising of two components namely, Continuous Internal Assessment (CIA) throughout the semester End Semester (ES) Examinations However, there are some courses like Mandatory courses, online courses, internship, etc., have only continuous assessment for 100 marks without an end semester examination. The PAC shall recommend such courses every semester with assessment pattern to AEC for approval. The scheme of assessment shall be made available to the students during the course registration. Each course shall be evaluated for a maximum of 100 marks as illustrated below. 												
	Table X - Weightage of Marks for Category of Courses												
	S	.No	Category of Course	Weightage of CIA	Weightage of ES	Total marks							
		a.	Theory Courses	40	60	100							
		b.	Theory +Practical Courses	50	50	100							
		с.	Practical Courses	60	40	100	_						
		d.	Project Work	60	40	100	_						
		e.	Make a Product	100		100	_						
		f.	Employability Enhancement Courses	100	-	100	_						
		g. h.	Online Course Non-Credit Course	- 100	-	100 100	-						
		п. i.	Audit Course	100	-	100	-						
11.2.1	the facu	lty in- s who	ctical courses, students shall obtain bona charges and Head of the Department on o have not obtained the bonafide certi	or before the da	ay of the practi	cal examir	nation.						
11.2.2	Project	work 1	nay be allotted to a single student or to a	group of stude	nts not exceedi	ng 4 per g	roup.						
11.3			5	1	ses including	project wo	ork the						
11.4	 For the end semester examinations in both theory and practical courses including project work the internal and external examiners shall be appointed by the principal. Students are prohibited from entering into the examination hall / laboratories with any book or any portion of books, manuscript, or paper of any description or communicating with or copying from each other or communicating with anyone outside the examination hall / laboratories. Programmable calculator, Cell phones and other electronic gadgets shall not be permitted inside the examination hall / laboratories. However, any required code books and data sheets / books, if necessary, may be permitted inside the examination hall / laboratories with the approval of the Chief Superintendent / Examiners. The students are warned that any form of malpractice will be dealt with severely. The disciplinary action will be taken by the college authorities after conducting an enquiry. The punishment may even be cancelling all the end semester examinations written by the student in the particular semester and debarring permanently from all the end semester examinations in the 												
11.5	student the Con	l ticke fails to ntroller	et must be produced by all the students o produce the hall ticket on any grounds, of Examinations office through the Ch ticket fee.	he/she should	get a duplicate	Hall ticke	t from						

11.6	Examiners for setting evaluating end seme evaluating project we approval from the Cha	ster examination orks shall be appo	answer scripts, binted by the C	conducting pra ontroller of Exa	ctical examinations	and								
12	PROCEDURE FOR CONTINUOUS INTERNAL ASSESSMENT & AWARDING MARKS													
12.1	CONTINUOUS INT	ERNAL ASSESSN	MENT SCHEM	E FOR THEOR	Y COURSES									
	The intern	nal assessment proc	cedure for theory	courses are as fo	llows:									
		Table XI - Awarding Marks for Theory Course												
	Assessment	rks Maximum CIA Marks												
	First Internal Assessment Test	20 (200 marks is converted to 20)											
	Second Internal Assessment Test	3/2 or 2/3 Units	1 Hour 30 Mts	50 Marks	marks and rounded off to th	ne								
	Model Examination	5 Units	3 Hours	100 Marks	nearest integer)								
			Assignments		10									
	Other Assessment	-	ninars / Case stud		5									
			Attendance		5									
	Total Continuous Internal Assessment Marks 40 *Assignment, Solving Open Ended Problems, Quiz, Seminar, Case Study, Mini Project, Activity													
	Points or any method a Always, Faculty hand	approved by PAC a ling the course/Ho	broved by PAC and AEC. g the course/HoD has to submit the marks out of 100 for each assessme long with overall mark distribution (out of CIA) to CoE. CoE will calcula											
	total IA marks of the s integer (out of 40 mark	tudent using approp (s).	priate formula. T	he total CIA mar	k is rounded to the ne	arest								
	Reassessment test shall be conducted for the students who were absent for CIA due to medical reasons like hospitalization for accident/illness or participation in the college/ University State/National/International level sports event/ other genuine reasons and also marks shall be considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal through Head of the considered with a Weightage of 80 % with prior permission from Principal throughtage of 80													
		-	-	genuine reasons	and also marks shal	sity/ l be								
12.2	considered with a We	ightage of 80 % v	with prior permi	genuine reasons ssion from Princ	and also marks shal ipal through Head of	sity/ l be								
12.2	considered with a We Department. CONTINUOUS INTE The total IA marks for maximum of 10 marks the experiments will b and the mark obtained The total IA marks wil	ERNAL ASSESSM Elaboratory course based on the perfo e converted to 30 f will be converted l be rounded to the	with prior permi MENT SCHEM s shall be 60 ma ormance of the st marks. There sha to 20 marks and penearest integer (E FOR PRACT Trks. Each experiment tudents and recorn all be model prace tattendance will (out of 60 marks)	and also marks shal ipal through Head of CAL COURSES nent will be evaluated d work. The average of tical exam for 100 m be awarded for 10 m	sity/ l be f the d for of all arks,								
12.2	considered with a We Department. CONTINUOUS INTE The total IA marks for maximum of 10 marks the experiments will b and the mark obtained The total IA marks wil	ERNAL ASSESSME ERNAL OF COURSES based on the performer of the converted to 30 m will be converted	with prior permi MENT SCHEM s shall be 60 ma ormance of the st marks. There sha to 20 marks and e nearest integer (mal Assessment S	E FOR PRACT Trks. Each experiment tudents and recorn all be model prace tattendance will (out of 60 marks)	and also marks shal ipal through Head of CAL COURSES nent will be evaluated d work. The average of tical exam for 100 m be awarded for 10 m	sity/ l be f the d for of all arks,								
12.2	considered with a We Department. CONTINUOUS INT The total IA marks for maximum of 10 marks the experiments will b and the mark obtained The total IA marks wil Table X	ERNAL ASSESSM Elaboratory course based on the perfo e converted to 30 f will be converted l be rounded to the	with prior permi MENT SCHEM s shall be 60 ma ormance of the st marks. There sha to 20 marks and penearest integer (E FOR PRACT Trks. Each experiment tudents and recorn all be model prace tattendance will (out of 60 marks)	and also marks shal ipal through Head of CAL COURSES nent will be evaluated d work. The average of tical exam for 100 m be awarded for 10 m	sity/ l be f the d for of all arks,								
12.2	considered with a We Department. CONTINUOUS INTE The total IA marks for maximum of 10 marks the experiments will b and the mark obtained The total IA marks wil Table X Method	ERNAL ASSESSM ERNAL ASSESSM based on the performance based on the performance will be converted be rounded to the Continuous Inter Lab Experiment	with prior permi MENT SCHEM s shall be 60 ma ormance of the st marks. There sha to 20 marks and e nearest integer (rnal Assessment S Model Practical	E FOR PRACT Total Total Total	and also marks shal ipal through Head of CAL COURSES nent will be evaluated d work. The average of tical exam for 100 m be awarded for 10 m cal Courses Total Marks (CIA+ESE)	sity/ l be f the d for of all arks,								

12.3	CONTINUOUS INTERNAL ASSESSMENT SCHEME FOR THEORY CUM PRACTICAL COURSES											
	The assess	men	t proce	edure	e for theory	cum pract	ical asse	essment	proced	ure to	be followed is as	
	follows:											
	Tab	le XI	II- Co	ntinu	ious Internal A	Assessment	Scheme	for The	eory Cur	n Prac	tical Courses	
	Assessi	ment	;		Portions	ons Duration Maximum Marks			Maxi CIA N	mum Marks		
	First Assessi	nent	Inter Test	nal	2/3 or 3/2 Units	1 Hour 3	0 Mts	50 Ma	50 Marks		marks is	
	Second Assess Model	nent			3/2 or 2/3 Units	1 Hour 3	0 Mts	50 Ma		and ro	rted to 20 marks bunded off to the st integer)	
	Non-T Assess	est	Bas		5 Units It will be an during the co			course f	faculty	10	st integer)	
	Lab Co				Each lab exp Average of converted to	eriment: 10 all experi	0 marks.			20		
	End set	mest	er exa	mina	ernal Assessm ations (ESE)		(CIA)			50 50		
	Total n	nark	s (CIA	+ E	SE)					100		
	each. The c Assessmen	listri ts an	bution d End	of n Sem	narks for the the the the the the the the second seco	heory and i ation for di	laborator fferent t	ry comp ypes of	onents courses	in the (are pr	marks will be 50% Continuous Internal ovided in the table.	
	Tab				ious Internal							
		L 1	T P 0 4	C 3	Laboratory (25%) Theory (25%)LaboLaboratory (25%) Theory (25%)LaboTheory (25%) Laboratory (25%)TheorLaboratory (25%)Labo				ster Examination 7 only (50%)			
		1	0 2	2				Labo	oratory o	ry only (50%)		
		2	0 2	3				Labo	Theory (25%) Laboratory (25%)			
			0 2	4	Theory (25% Laboratory (2 Theory (25%	25%)		Labo	ory (35%) oratory (1 ory (15%)	ry (15%)		
			0 4	4	Laboratory (2	25%)		Labo	oratory (3	35%)		
12.4	ASSESSMENT FOR PROJECT / MINI PROJECT / INTERNSHIP / INDUSTRIAL TRAINING Project work [Mini Project / Project Work] will be evaluated by continuous assessment (60) and semester assessment (40). The Head of the Department shall constitute a review committee cons of Head of the Department, Supervisor and a project coordinator. There shall be three reviews by review committee. The students shall make presentation on the progress made before the committ Table XVI (A) - Project Work									ssment (60) and end v committee consist three reviews by the		
	Continuous (60 Marks)		rnal As	sessn	nent Er	nd Semester 0 Marks)						
	Review I	Rev	view II	R	eview III Pr	oject eport	Viva-V	oce Exa	aminatio	n		
	10	20		30) <u>Ex</u> 10	ternal	Intern 10		Extern 10		Supervisor 10	
											r the maximum of t t available for End	

	Semester Exami	nation, Inter	nal Super	visor wil	l assign m	arks out of m	aximum 10.			
		Table XVI	(B) – Wei	ghtage fo	or Assessm	ent for Mini P	roject Work			
			Review	Review II	R	eview III				
			25%	25%	Repor		e			
			2370	2370	20%	30%				
	Table XVI (C) – Weightage for Assessment for Internship / Industrial Training									
			Repo		sentation	Viva-voce				
	Resubmi	ssion of pro	40% iect: If a s		30% ould not si	30% ubmit thesis in	time /could no	ot attend viva –		
	voce exam/ coul		-							
	clear the project	due to unfo	oreseen ci	rcumstar	nces, he/sh	e is permitted	d to resubmit h	is work within		
	30 days after th	-					-			
	like regular proj appearance for t					1 0		construed as an		
					the classi		ucgree.			
12.5	ASSESSMENT	FOR MAP	KE A PRO	DUCT						
	Students can ga		-	-		1	e			
	collaborative eff must identify a r	-					-			
	product, and she	-	-			-	-			
12.5.1	hardware projec					-				
	one. Rather than	the success	ful conclu	usion, the	e focus is	on the process	s and demonstra	ation of product		
	development. T		s of the	team for	interdisc	iplinary proje	ects may come	from different		
	departments or p	•	ed by a f	aculty su	nervisor x	vho is assign	d by the depar	rtment head. An		
12.5.2	additional facul	-	-	-	-	_				
12:012	applications span	• •				j	j			
	The Head of the	-	t will desi	ignate a]	MAP Coo	rdinator for e	ach program, w	ho will oversee		
	all MAP-related		.11 1	• 1.	. 11		4			
	A MAP Review assign grades. T			-		-		-		
	nominee for a			-	-		-			
	assessment is we	orth 100 mai	rks and th	e followi	ng are the	assessment g	uidelines:			
					BLE XVI					
12.5.3	Continuous Inter (60 Marks)	nal Assessme	nt		2nd Semes 40 Marks)	ter Examinati	on			
	Review I	Review II	Review I	TI F	Project Report		Examination			
	Product	Design &	Fabricat		•					
	Identification	Progress made	Develop		External	Internal	External	Supervisor		
	20	20	20	1	0	10	10	10		
12.6	ASSESSMENT	FOR IND	USTRIAI		-		1	- I		
	The Industrial T	raining/ Inte	ernship sh	all carry	100 mark	s and shall be	e evaluated thro	ough continuous		
	assessment only.	-	-	•				-		
	on the training u	undergone an	nd a certi		-	anization con	cerned. The ev	aluation will be		
				Daga 1	9 of 28					

		-				ly by a three-member ficates (issued by the				
	Departmental Committee constituted by the Head of the Department. Certificates (issued by the Organization) submitted by the student shall be attached to the mark list and sent to Controller of									
	Examinations by the Head of the Department. Evaluation Procedure – Industrial Training / Internship									
	TABLE XVIII									
		Report 40	Presentation 30	Viva-voce 30	Total 100					
12.7	ASSESSMENT FOR	R VALUE A	ADDED COUR	SES	·					
	Continuous I Examination. course. The as and evaluation course faculty carried out by • The credits an	Internal As Value Adde sessment we procedure with the a the course d grades ob r and Hea	sessment (CIA ed Courses may b rill be carried out will be announce approval of the faculty. tained will not b ad of the Depa) mode only be a theory or t accordingly. T ted prior to the Head of the I e considered for	and there i laboratory or T The method of commencemen Department. The or credit and C	be evaluated through s no End Semester Theory cum laboratory assessment, weightage nt of the course by the he assessment will be GPA calculations. record keeping and				
12.8	ASSESSMENT FOR	-								
	specified in clause 4 Committee (PAC) with through online course	4.7. On such 11 assess the ses and 40%	ccessful comple e online courses % Weightage to	tion of the o by providing the assessme	nline courses, 60% Weightag nt by PEC by	ed with certificate) as Program Assessment ge to the marks earned retaining the credits instead of one elective				
12.9	ASSESSMENT FOR	R SELF ST	UDY COURSE							
	•	ation of the	e course. The as	sessment shall		sponsible for periodic ontinuous Assessment				
12.10	ASSESSMENT FOR	R MANDA'	FORY COURS	E						
	programme, which in may not have credits.	clude Induc Mandatory vithout cred	ction Program, E courses with cre its will be asses	Environmental edits will be as sed like an Au	Science, and e sessed as speci idit course. Ma	nts irrespective of the tc. MC course may or fied in the curriculum. andatory Courses may compulsorily.				
12.11	DISPLAY OF INTE	RNAL AS	SESSMENT (IA	A) MARKS						
		pective Hea	d of the Depart	•		The second secon				
12.12	ATTENDANCE RE	CORD								
	consists of attendance	e marked in	each lecture or	practical or p	roject work cla	NT RECORD', which ass, the test marks and ald be submitted to the				

	Head of the Department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the Department will put his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years). Any inspection team appointed by the Institution may verify the records of attendance and assessment of both current and previous semesters.
12.13	CONDUCT OF ACADEMIC AUDIT BY EVERY INSTITUTION
	Academic Audit is to be done for every course taught during the semester. For the internal assessments conducted for each course as per details provided in Clause 12, the academic records shall be maintained in the form of documentation for the individual assignments / case study report / report of mini project submitted by each student and assessment test question paper and answer script. Report of industrial training / internship shall also be maintained, if applicable. For laboratory courses students' record shall be maintained. Further, the attendance of all students shall be maintained as a record.
	The Head of the Institution shall arrange to conduct the Academic Audit and verify the records for every course in a semester by forming the respective committees with an external course expert as one of the members drawn from a technical institution of repute near the institute.
13	PASSING REQUIREMENTS FOR A COURSE
13.1	A student shall normally be permitted to appear for End semester examination of the course if the student has satisfied the attendance requirements and has registered for examination in those courses of that semester by paying the prescribed fee. This permission could be availed by the students only two times during the entire course of study.
13.2	Further, examination registration by a student is mandatory for all the courses in the current semester and all arrear(s) course(s) for the end semester examinations failing which, the student will not be permitted to move to the higher semester.
13.3	When a candidate is deputed for a National / International Sports event during End Semester examination period, supplementary examination shall be conducted for such a candidate on return after participating in the event within a reasonable period of time. Such appearance shall be considered as first appearance.
13.4	A student who has already appeared for a course in a semester and passed the examination is not entitled to reappear in the same course for improvement of letter grades / marks.
14	PHOTOCOPY /REVALUATION OF ANSWER SCRIPTS
14.1	A student shall apply for revaluation (in a prescribed format) of his / her semester examination answer script in a theory course within 1 week from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations. The Controller of Examinations shall arrange for the revaluation and the results shall be intimated to the candidate concerned. Revaluation is not permitted for practical courses and project work.
14.2	A student can apply for the Photocopy of his/her end semester examination answer script on payment of the prescribed fee through proper application to the Controller of Examinations after the end semester/revaluation results are announced to get himself / herself convinced of the valuation/revaluation.
14.3	A student can apply for revaluation of answer scripts for all the theory appeared.
14.4	Review: Candidates not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to Controller of Examination through the Head of the Institution.

14.5	Candidates applying for Revaluation only are eligible to apply for Review.									
15	AWARD OF LETTER GRADE									
	The award of letter grades will be d Courses and Project Work. The perform carrying certain points as detailed below Tab	nance of a stud :: le XIX- Award	lent will be reported	using letter grades, each						
	Letter Grade	Grade Points	Percentage of Total Marks							
	O (Outstanding A + (Excellent		91 - 100 81-90	_						
	A (Very Good) B + (Good)	8	71-80 61-70	_						
	B (Average) C (Satisfactory	6	51-60 <50	-						
	` _	Re- 0	-	_						
15.1	SA (Shortage Attendance)	of 0	-							
15.1	A student is deemed to have passed and acquired the corresponding credits in a particular course if									
	he/she obtains any one of the following grades: "O", "A+", "A", "B+", "B", "C". "									
	SA" denotes shortage of attendance and hence prevented from writing the end semester examinations. "SA" will appear only in the result sheet.									
	"U" denotes that the student has failed to pass in that course. "WD" denotes withdrawal from the exam for the course. The grades U and WD will figure both in the Grade Sheet as well as in the									
	Result Sheet. In both cases, the student has to appear for the End Semester Examinations as per the									
	Regulations. If the grade U is given to Theory Courses/ Laboratory Courses it is not required to satisfy the									
	attendance requirements (vide clause 8), but has to appear for the end semester examination and									
	fulfil the norms specified in clause 13 to earn a pass in the respective courses. If the grade U is given to EEC course (except Project Work), which are evaluated only through									
	internal assessment, the student shall re- the norms as specified in clause 13 to	-	-	-						
	need not be satisfied.									
	Relative Grading For those students who have passed the	course (theory	course / laboratory i	ntegrated courses / theory						
	integrated courses / all other EEC exc		•	,						
15.1.1	grading shall be done. The marks of the software developed for relative grading.		-	-						
	data using the BOX-COX transformation			-						
	separately and awards the grade to each theory integrated courses and all other H									
	relative grading method shall be adopted	1.								
	Absolute GradingIn all the courses, if the number	of students wh	o have passed the or	surse is less than or equal						
15.1.2	to 30 then absolute grading shall		-	-						
	• For the Project Work / Internshi	p and Laborate	ory Courses, absolute	e grading procedure shall						

	be followed as given in the Table below irrespective of the nur passed the course. O A+ A B+ B 01 100 81 00 71 80 (1 70 5) 50 (0			its who hav									
			А	B+	В	C	U						
	91-100	81-90	71-80	61-70	56-60	50-55	<50						
15.3	GPA AND CGPA CALCULATION												
	 Grade Point Cumulative onwards. During each seme compute the Grade 	urses registere nt Average (G e Grade Poi ester, the list o e Point Avera	ed during the se PA) for the se nt Average (0 of courses reginge (GPA). GF	emester and th mester and CGPA) of all stered, and the PA is the ratio	ne grades scor l courses reg e grades score of the sum of	ed. istered from f ed in each cours the products c	irst semeste se are used to f the numbe						
	of credits of courses registered and the grade points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semaster												
	semester.												
	$\sum CiGPi$												
	$GPA/CGPA = \frac{i=1}{n}$ $\sum Ci$												
	$\vec{i} = 1$ Where,												
	 Where, Ci - is the Credits assigned to the course, 												
	 C1 - is the Credits assigned to the course, GPi - is the grade point corresponding to the letter grade obtained for each course. 												
	• n - is num	ber of all Cou	1 0	ully cleared du	•	ester in the cas							
	CGPA will be cald "U" and "SA" gra	culated in a si	milar manner,	considering a		enrolled from t	irst semeste						
15.3.1	The credits earned CGPA.					d for calculati	ng GPA an						
15.3.2	If a student stud programme curric CGPA.			,	· · ·								
16	ELIGIBILITY FOR THE AWARD OF DEGREE												
	A student shall b following:	e declared to	be eligible f	or the award	of the degree	e if he/she has	satisfied th						
 Successfully gained the required number of total credits as speci- corresponding to the student's programme within the stipulated time. Successfully completed the course requirements, appeared f 							End-Semest						
	 examinations, and passed all the subjects within the period as prescribed in Clause 6. Successfully passed any additional courses prescribed by the college whenever readmitte under regulations other than 2024 Regulations. 												
	 Successfully completed the PCD courses like NSS / NSO / YRC/RSP. No disciplinary action pending against the student. 												
		may action p	enanis uguins	e ine stadent.									

16.1.1	FIRST CLASS WITH DISTINCTION								
	A student who satisfies the following conditions shall be declared to have passed the examination in								
	First class with Distinction:								
	• Should have passed the examination in all the courses of all the eight semesters (6 semesters								
	in the case of Lateral Entry) in the student's First Appearance within five years (four years in								
	the case of Lateral Entry).								
	• Withdrawal from examination (vide Clause 12) will not be considered as an appearance.								
	• Should have secured a CGPA of not less than 8.50.								
	• One-year authorized break of study (if availed of) is included in the five years (four years in								
	the case of lateral entry) for award of First Class with Distinction.								
	• Should NOT have been prevented from writing end semester examination due to lack of								
	attendance in any semester.								

Degree (i)	Duration of programme (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CGPA (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance (viii)	Withdrawal from writing end semester examination (ix)
B.E./ B.Tech. (Regular)	3/4 years (lateral entry/regular)	4/5 years (lateral entry/regular)	-	8.50	First attempt	One year authorised break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./ B.Tech. (Hons)	3/4 years (lateral entry/regular)	4/5 years (lateral entry/regular)	18 credits from more than one vertical of the same programme	8.50	First attempt	One year authorised break of study including in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./ B.Tech. minor in other programme	3/4 years (lateral entry/regular)	4/5 years (lateral entry/regular)	18 credits from more than one vertical of the same programme	8.50	First attempt	One year authorised break of study including in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt

Table XX-First Class with Distinction

16.1.2 FIRST CLASS

A student who satisfies the following conditions shall be declared to have passed the examination in First class:

- Should have passed the examination in all the courses of all eight semesters within five years (all six semesters within four years in case of lateral entry).
- One-year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for award of First Class.
- Should have secured a CGPA of not less than 6.50.

Table XXI -First Class with Distinction

Degree	Duration of programme	Duration permitted	Additional credits above the requirement of curriculum	CGPA	Pass in	Break of study	Prevention due to lack of attendance	Withdrawal from writing end semester examination
B.E./ B.Tech. (Regular)	3/4 years (lateral entry/regular)	4/5 years (lateral entry/regular)	-	6.50	-	One year authorised break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./ B.Tech. (Hons)	3/4 years (lateral entry/regular)	4/5 years (lateral entry/regular)	18 credits from more than one vertical of the same programme	7.50	First attempt	One year authorised break of study including in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./ B.Tech. minor in other programme	3/4 years (lateral entry/regular)	4/5 years (lateral entry/regular)	18 credits from more than one vertical of the same programme	6.50	-	One year authorised break of study including in the Duration permitted (iii)	Included in duration permitted	-
4 5 5 6 1 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	SECOND CLA All other stude: hall be declare emester exami- considered to h 1) 3.E./B.Tech. R tudents (not cc 6) shall be dec Student earned n 18.1 or 18.2 he additional c uch case if the account the add	nts (not cover ed to have pass ination in a d ave appeared Regular and 1 overed in claus elared to have additional 18 shall not be a courses studie	sed the examination of the examination of the examination of the example of the e	nation in ct work nation fo nd B.E 5.2) who mination Clause B.Tech. I ourses s r First C	A Second of after has or the pur ./B.Tech. qualify f n in Secon 19 but do Honours. hall not b Class, whi	Class. A candi ving registere pose of classif minor in spe or the award o nd Class. wes not satisfy In such cases be considered le computing (date who is d for the sa ication (sub ecialisation f the degree the condition the mark sho for GPA con CGPA witho	absent in end ame shall be ject to clause other degree (vide Clause ns mentioned eet will show mputation. In ut taking into
	PROVISION I		-					Cluss only.
17.1 t	A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by the Chairman, Sports Board and the HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in ANY ONE of the semester examinations during the entire duration of the degree programme. The application shall be sent to the COE through the Head of the Institutions with required documents.							
17.2 a f	Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 6) and if it is made within TEN days after the date of the examination(s) in that course or courses and recommended by the Head of the Institution and approved by the Controller of Examinations. For a student to withdraw from a course / course, he/she should have registered for the course, fulfilled the attendance requirements (vide clause 6) and earned continuous assessment marks.							
	Notwithstanding the requirement of mandatory 10 days, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.							

17.4	In case of withdrawal from a course / course, the courses will figure both in the Grade Sheet as well as in the Result Sheet. However, withdrawal shall not be considered as an appearance for the eligibility of a student for First Class with Distinction.				
17.5	If a student withdraws from writing end semester examinations for a course or courses, he/she shall register for the same in the subsequent semester and write the end semester examination(s).				
17.6	If a student applies for withdrawal from Project Work, he/she will be permitted for the withdrawal only if the student has submitted the project report before the deadline. However, the student may appear for the viva-voce examination within 60 days after the declaration of results for Project Work and the same shall not be considered as reappearance.				
17.7	Withdrawal is permitted for the end semester examinations in the final semester.				
18	PROVISION FOR BREAK OF STUDY				
18.1	A student is permitted to go on authorized break of study for a maximum period of one year as a single spell.				
18.2	The application for break of study (prescribed format) shall be duly filled by the student and submitted through the principal in advance, in any case, not later than the last date of the first assessment period. In the case of short-term employment/ training/ internship, the application for break of study shall be approved and forwarded by the HoD to the Principal.				
18.3	The students permitted to rejoin the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining. The students rejoining in new Regulations shall apply to the principal in the prescribed format through Head of the Department at the beginning of the readmitted semester itself for prescribing additional/equivalent courses, if any, from any semester of the regulations in-force, so as to bridge the curriculum in-force and the old curriculum.				
18.4	The total period for completion of the programme reckoned from, the commencement of the first semester to which the student was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study in order that the student may be eligible for the award of the degree (vide clause-16).				
18.5	In case there is any period of break of study more than the permitted duration of break of study, the student shall be permitted to continue the programme only if the approval is obtained from the principal through the concerned HOD before the end of the semester in which the student has taken break of study.				
18.6	If a student has not reported to the department for a period of two consecutive semesters without any intimation, the name of the student shall be deleted permanently from the college enrolment. Such students are not entitled to seek readmission under any circumstances.				
18.7	The authorized break of study is included in the duration specified for passing all the courses for the purpose of classification.				
18.8	If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study'				
18.9	No fee is applicable to students during the Break of Study period.				
19	PROCEDURE FOR RE-JOINING THE PROGRAMME				
19.1	A student who desires to rejoin the programme after a period of discontinuance/ prevention due to lack of attendance or who upon his/her own request is permitted by the authorities to repeat the study of any semester, may join the semester which he/she is eligible or permitted to join, only at the time of its normal commencement for a regular batch of students and after obtaining the approval from the Directorate of Technical Education (DOTE) followed by guidelines of parent University.				
19.2	Rejoining/Readmission under different regulations				
19.2.1	a) A student, who initially joins the college in previous Regulation and has to rejoin in an academic term of the present Regulation due to any reason, shall be bound by the rules of the current				

	Regulation.					
19.2.2	b) After readmission, the student is required to study the courses prescribed in the new Regulation.					
19.2.3	c) If the student has already passed any course in the earlier Regulation/semesters of study, such courses are exempted. He/she has to undergo additional subjects to earn minimum required credit for the award of degree as per the recommendations of the committee.					
19.2.4	d) In case, the students who do not have option of acquiring required credits with the existing courses offered as per the curriculum under autonomy, credit balance can be achieved by clearing the additional courses offered. The additional courses that are offered can be of theory or laboratory courses and shall be offered during semester or summer break					
19.3	Transfer from other colleges (from Autonomous College/Anna University affiliated colleges)					
19.3.1	a) Students seeking transfer from Affiliated Colleges/Autonomous Institutions/University are required to follow the prevailing guidelines of Directorate of Technical Education (DOTE) and Anna University, Chennai.					
19.3.2	b) A committee comprising Principal and Head of the Department of the concerned discipline shall decide the courses and credits balance between old and new regulations on case-to-case basis for the students rejoined under different Regulations or transfer. The committee will specify additional or equivalent academic course work to be undertaken by such students who rejoin the current Regulations subject to approval of respective BoS and Director (Academic Courses), Anna University, Chennai.					
19.3.3	c)Procedure for Rejoining/ Readmission / Transfer is subjected to change as per university guidelines.					
20	PROCEDURE FOR USING SCRIBE					
	If a candidate is physically handicapped (in case of accident/ill health) at the time of examination, He/she may be permitted to use a scribe to write the examination. In such case 30 minutes extra time will be permitted for continuous assessment test and 60 minutes for end semester examination. The Scribe shall be a non-teaching employee.					
21	DISCIPLINE					
	 Every student is expected to follow the rules and regulations laid down by the Institute and the affiliating University, as published from time to time. Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the college. The Head of the Institution shall constitute a disciplinary committee to enquire into acts of indiscipline and notify the punishment. In case of any serious disciplinary action which leads to suspension or dismissal, then a special committee shall be constituted by the Head of the Institution for taking the final decision. If a student indulges in malpractice in any of the examinations, he / she shall be liable for punitive action as prescribed by the Institution. 					
22	CHANGE OF BRANCH					
	There shall be no branch transfers after the completion of admission process.					
23	REVISION OF REGULATIONS, CURRICULUM AND SYLLABI					
