KNOWLEDGE INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, Affiliated to Anna University, Chennai.

Accredited by NBA (CSE, ECE, EEE & MECH), Accredited by NAAC with 'A' Grade KIOT Campus, Kakapalayam (PO), Salem – 637 504, Tamil Nadu, India.



B.E. / B.Tech. Regulations 2023 (R 2023)

CHOICE BASED CREDIT SYSTEM & OUTCOME BASED EDUCATION

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

(For Students Admitted from the Academic Year 2023 -24 Onwards)



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM (AUTONOMOUS)

Approved by AICTE, Affiliated to Anna University, Accredited by NAAC and NBA (B.E.: Mech., ECE, EEE & CSE)

Kakapalayam (PO), Salem – 637 504

www.kiot.ac.in

September 2023

B.E. / **B.Tech. REGULATIONS 2023 (R 2023)**

CHOICE BASED CREDIT SYSTEM AND OUTCOME BASED EDUCATION

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

DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY

This set of Regulations is applicable to the students admitted to B.E. / B.Tech. Programmes at Knowledge Institute of Technology, Salem from the Academic Year 2023-24 onwards.

1.	PRELIMINARY DEFINITIONS AND NOMENCLATURE	
	In these Regulations, unless the context otherwise requires:	
	• "AICTE" means All India Council for Technical Education, New Delhi. AICTE is the regulator who regulates Technical Education in India.	
	• "CDT" means Centre for Career Development and Training which offers various Employability Enhancement Courses.	
	• "CGPA" means Cumulative Grade Point Average obtained upto a particular semester or upto the end of the programme.	
	• "Chairperson" means Chairperson of Board of Studies of each Faculty / Department / Division (S&H). He/she is responsible for all the Curriculum, Syllabus, Teaching and Learning, and Assessment related to Autonomous functioning of the Department / Institution.	
	• "Controller of Examinations (COE)" means the authority of the institution who is responsible for all examination related activities of the institution.	
	• "Course" means a theory course / laboratory course / theory course with laboratory component, that is normally studied in a semester, like Mathematics, Physics, etc.	
	• "Credit Equivalence Committee (CEC)" means the Committee responsible for finalizing and approving Credit Equivalence, Assessment and Grading of certain courses (Refer <i>Clause 6.15</i>).	
	• "Credit" means a numerical value allocated for each course to describe the student's workload required in hours per week.	
	• "Director - Curriculum Design, Delivery and Assessment (Dir-CDDA)" means the authority of the Institution who is responsible for all academic activities of the Institution / Departments for implementation of relevant Rules and Regulations with respect to Autonomous Functioning of the institution.	
	• "Discipline" means specialization or branch of B.E. / B.Tech. Degree Programme, like Mechanical Engineering, Computer Science and Engineering, Information Technology, etc.	
	• "End Semester Examinations (ESE)" means examinations for either theory or laboratory course carried out at the End of the Semester.	

	by the Credit Equivalence Committee.
(111)	semesters if prescribed in the curriculum of the respective programme of study or suggested
(iii)	semester of B.E. / B.Tech. Such candidates shall undergo a few additional Engineering course(s) in the third and fourth
(11)	as one subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third
(ii)	(OR) The candidates who possess a Degree in Science (B.Sc.) (10+2+3 stream) with Mathematics
	entry admission to the third semester of B.E. / B.Tech. in any branch of study.
(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
2.2	Lateral Entry Admissions
(iii)	Such category of students are referred as "B.E. / B.Tech. Regular Admissions".
(ii)	Should have passed the Higher Secondary Examination of Vocational Stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.
(**)	(OR)
	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 courses of study or any examination of any other University or Authority accepted by the Syndicate of Anna University as equivalent thereto.
(i)	Candidates seeking admission to the first semester of the eight-semester B.E. / B.Tech. Degree Programme:
2.1	First Year Admissions
2.	ELIGIBILITY FOR ADMISSION
	"University" means Anna University, Chennai.
	• "UGC" means University Grants Commission, New Delhi. UGC issues guidelines and regulates all the Universities in India.
	 "Programme" means Degree Programme that is B.E. / B.Tech. Degree Programme. "UGC" means University Grants Commission, New Delhi. UGC issues guidelines and
	Entrepreneurship, Product Development and Startups and incubates Startups.
	• "iStart" means KIOT-Incubation and Startup Cell, which offers courses on
	• "Internal Assessment (IA)" means assessment carried out by the course faculty continuously throughout the course. It is also referred as Continuous Internal Assessment.
	"Institution" means Knowledge Institute of Technology.
	• "Head of the Institution (HoI)" means the Principal of the Institution or vice versa. He/she is responsible for all the Academic, Research and Administrative activities of the institution.
	• "Head of the Department (HOD)" means the authority of the Department concerned who is responsible for all Academic, Research and Administrative activities of the Department.
	• "Grade Point" means a numerical value (0 to 10) allocated based on the grade assigned to each course.
	• "Grade" means the letter grade assigned to each course based on the specified range of marks obtained by the student.

2.3	In addition to the above, admission will be carried out as per the guidelines issued by the Directorate of Technical Education (DOTE) - Tamil Nadu, University, AICTE and UGC from time to time.			
3		RAMMES OFFERED		
	which a		e of the following programmes / disciplinate of the following progra	-
	S.No.	Name of the Faculty	Programme(s) offered	Code
	1.	Faculty of Mechanical Engineering	B.E Mechanical Engineering	ME
	2.	Faculty of Electronics and Communication Engineering	B.E Electronics and Communication Engineering	EC
	3.	Faculty of Electrical Engineering	B.E Electrical and Electronics Engineering	EE
	4.	Faculty of Civil Engineering	B.E Civil Engineering	CE
			B.E Computer Science and Engineering	CS
		Faculty of Computer Science	B.Tech Information Technology	IT
	5.	5. and Engineering and Information Technology	B.Tech Computer Science and Business Systems	СВ
			B.Tech Artificial Intelligence and Data Science	AD
	6.	Faculty of Science and Humanities	-	-
4	DURA	ΓΙΟΝ OF THE PROGRAMMI	E	
4.1	2 semested during to B.Tech. during 3 B.Tech.	sters per year. Thus, the total duer, various types of courses are of the first semester and undergo 8. Regular Admissions. Students 3. Students 3. Students 3. Students 4. Students 4. Students 5. Students 5. Students 5. Students 6. S	ars duration, and is offered in semester ration of 4 years is divided into 8 semest affered. Students with HSC qualification a semesters, and such admissions are referred with Diploma / B.Sc. qualification a semesters, and such admissions are referred.	ters. In each are admitted red as B.E. / re admitted red as B.E. /
4.2	(4 years B.E. / E program) in case of B.E. / B.Tech. Regulation B.Tech. Lateral Entry Admission	omplete B.E. / B.Tech. programme in lar Admissions and in 6 semesters (3 year is. The maximum duration permitted to cors for B.E. / B.Tech. Regular Admissions. Lateral Entry Admissions.	s) in case of omplete the
4.3	The He imparts content	ad of the Department and Hea instruction as per the number of of the specified syllabus for the	75 working days or 540 periods of 50 m d of the Institution shall ensure that ever of periods specified in the syllabus and course being taught appropriately.	very Faculty that the full
4.4	approva	l of Head of the Institution for	any programme by Head of the Departm improvement. However, such additional e minimum attendance requirements of th	classes will

4.5	The total period for completion of the programme reckoned from the commencement of the	
	first semester (in case of Regular Admissions) or third semester (in case of Lateral Entry	
	Admissions) to which the candidate was admitted shall not exceed the maximum period	
	specified in Clause 4.2 irrespective of the period of break of study (vide <i>Clause 18</i>) so that	
	he/she may be eligible for the award of the degree (vide Clause 16).	

4.6 Number of courses per semester

Each semester curriculum shall normally have a blend of lecture courses not exceeding NINE (9) Theory courses and Theory cum Laboratory courses and FOUR (4) Laboratory Courses and Employability Enhancement Courses. However, the total number of courses per semester shall not exceed 13. Each Course shall have credits assigned as per *Clause 4.7*.

4.7 Credit Assignment

Each course is assigned certain number of credits based on the following:

Contact Period per week	Credits
ONE Lecture Period (L = Lectures given during class by the faculty)	1
ONE Tutorial Period (T = Tutorial, also class-based wherein more emphasis is on problem-solving)	1
ONE Laboratory Period (P = Laboratory Practical Classes)	0.5
ONE Period of EEC courses (like Aptitude / Coding Skills / Case study / etc.) and Project Work (P = Project work, Hands on Activity, etc.,)	0.5

5. MEDIUM OF INSTRUCTION

The medium of instruction is **ENGLISH** for all courses, examinations, seminar presentations and project work reports except for the two courses offered in Tamil / Bilingual mode. In case of Foreign Languages Courses, the medium of instruction and writing will be Bilingual.

6. STRUCTURE OF PROGRAMMES

6.1 | Categorization of Courses

Every B.E. / B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

S. No.	Course Category	Name of the category	Credits Range	Average Credit Percentage* / Remarks
1	HS	Humanities, Social Sciences and Management Courses (HS)	08-10	5.3
2	BS	Basic Sciences Courses (BS)	18-22	11.8
3	ES	Engineering Sciences Courses (ES)	20-28	14.3
4	PC	Professional Core Courses (PC)	57-63	35.6
5	PE	Professional Elective Courses (PE)	18-20	11.8
6	OE	Open Elective Courses (OE)	09-10	5.9
7	EEC	Employability Enhancement Courses (EEC)	09-10	5.9

					-		
	8	PW	Make-A-Product and Project Work Courses	11	6.5		
	9	MC	Mandatory Courses (MC)	05	2.9		
	10	AC	Audit Courses (AC)	s (AC) 00 -			
		Tot	tal Credits (R) – Regular Degree	160-170	100.00		
	11	НМ	Honours / Minor Degree Courses (HM)	R+18			
	12	OC	Online Courses (OC)	-	Maximum 16 credits (Optional)		
	13	VA	Value Added Courses (VA)	-	Optional, Non Credit		
6.2			nid value of Credit Range. ocial Sciences and Management Courses (HS				
	Socia Engli (Tam Educ	l Science s sh, Techni il), Tamils	uistic skills, foster character development and and Management courses are offered. Such co cal English, Professional English, Corporates and Technology (Tamil), Courses on Hiject Management and Finance, Principles of	ourses inclu English, uman Exc	ude Communicative Heritage of Tamils cellence and Value		
6.3	1		Courses (BS)				
	Physics, Chemistry, Mathematics and related courses required to study Engineering and Technology courses are offered under this category. The use of Science, Engineering and Technology has resulted in serious environmental degradation. Engineers have to understand its impact and offer solutions to the society. In this dimension, a mandatory, non-credit course, "Environmental Science and Sustainability" is offered.						
6.4	1		iences Courses (ES)				
	Certain basic courses and computer programming-oriented courses that are required to study Engineering and Technology better are offered under this category. Such courses include Introduction to Engineering and Technology, Engineering Practices Laboratory, Engineering Graphics, Engineering Clinic, Courses on Computer Programming, etc.						
6.5	Profe	essional Co	ore Courses (PC)				
	Engir	neering, etc	ogramme (say, Mechanical Engineering, Elec.,) courses that are fundamentals and applicating ingineering / Technology problems are offered a	tions of su	ich fundamentals to		
6.6	Profe	essional El	ective Courses (PE)				
		m - A or u	an have the option to study Professional Ender Stream - B. Each student has to earn 18 -				
6.6.1	PE: S	Stream - A	: Open Choice				
	the cl	hosen prog	transport of the student's interest, the stressional Elective Courses described as Professional Elective Courses offered. The stude is Professional Elective Courses (as per Regulation 2) and the student's Professional Elective Courses (as per Regulation 2).	tudent can nt can stu	study courses from		

6.6.2	PE: Stream - B: I	Department Vertical Based Choice			
6.6.3	Various industry-band offered as Pr Department Vertica If a student has complete and/or ware passed successfully the student can complete to the student can complete to the student can be course. Under cert with the permission of the students have	ased courses on certain applications are gofessional Electives. Students can study all as well. hosen PE: Stream - B, studies a Departrants to drop at the mid-course, he/she can be will be considered for Credit and CGPA omplete the remaining credits by taking come subsequent semesters (Refer Clause 6.7. Excive Course will be offered if a minimum ain cases, such courses can be offered with an of Head of the Institution. urses (OE) wide choices to study the courses under Course will be courses under Course will be courses under Courses (OE)	nent Vertical, and drop. The courses Calculation. Under ourses through PE 9 for such deviation of 20 students regard the less than 20 students.	is unable to studied and r such cases: Stream - Ans). gister for the dents as well	e oo dd ss, AA ee lll
	his/her knowledge outside/within the programme of study. Each student has to earn 9 - 10 credits in total under OE courses. The courses are offered under streams, which are listed below:				
	Stream	Category	Responsibility	Total Credits	
	OE: Stream - A	OE Courses offered by Departments	Department	9 - 10	
	OE: Stream - B	Online Courses	Department	9 - 10	
	OE: Stream - C	Japanese / Foreign Language Courses	CDT	9 - 10	
	OE: Stream - D	Courses on Emerging Technology Vertical (EmTV)	Department	9 - 10	
	OE: Stream - E	Courses on Placement - CoE - Vertical	PAT / Department	9 - 10	
	OE: Stream - F	Courses on Entrepreneurship and Startups Vertical	iStart	9 - 10	
6.7.1	OE: Stream - A: 0	OE Courses offered by Departments			
	for other Department credits.	will offer one basic level course and are manners. Student can choose and study such	-		
6.7.2	OE: Stream - B: O				_
(72	-	Islained in Clause 6.13.			+
6.7.3	At present, the C certification levels are offered can also		Foreign Language	e courses tha	at
6.7.4	Stream - A, Stream than required credit and CGPA	n - B and Stream - C to earn 9 - 10 credits lits, only 9 or 10 credits (as per the Currof Calculations. Suppose a combination red of the course with lower marks is red	s. If the credits earn riculum) will be a sults in one or tw	ned are more ccounted for yo credits in	re or n

6.7.5	OE: Stream - D: Courses on Emerging Technology Vertical (EmTV)	
0.7.3	Department will offer courses on suitable Emerging Technologies. Student from any	
	Programme / Department can attend such courses. However, a student has to take up any one	
	EmTV and can earn 10 credits under the same EmTV. The student can choose any EmTV	
	among the EmTV verticals offered. For each batch of students, list of Emerging Technology	
	Verticals offered will be informed by CDDA with the approval of the Head of the Institution.	
	Courses on EmTV will be offered in 4, 5, 6 and 7 th semesters.	
6.7.6	OE: Stream - E: Courses on Placement / Industry - Centre of Excellence (PAT-CoE)	
	Vertical	
	In association with industries, the institution has established certain job role-oriented,	
	industry-relevant Centre of Excellence (PAT-CoEs). The activities of such PAT-CoEs are	
	administered by Centre for Placement and Industry - Institute - Interaction (PAT), with the	
	help of relevant departments. Such PAT-CoEs offer industry-oriented courses on latest	
	industry requirements in a particular domain. Such courses are referred as PAT-CoE Vertical	
	courses. A student can choose OE courses from such PAT-CoE Verticals. The student will	
	have a choice to choose any CoE-Vertical. Once chosen, a total of 10 credits can be earned	
	under the chosen Vertical.	
6.7.7	OE: Stream - F: Courses on Entrepreneurship (ED) and Startup Vertical	
	The institution has a well-established KIOT - Incubation and Startup Cell (iStart) and AICTE	
	- IDEA lab. iStart offers structured "Entrepreneurship and Startup" based courses for 10	
	credits. Students from any B.E. / B.Tech. Programme can take up such courses as the OE	
6 7 0	courses.	
6.7.8	Important Instruction (2): If a student has chosen stream D, E or F and is unable to	
0.7.8	complete and/or wanted to drop at the mid-course, he/she can drop. The courses studied and	
0.7.8	complete and/or wanted to drop at the mid-course, he/she can drop. The courses studied and passed successfully will be considered for Credit and CGPA Calculation. Under such cases,	
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engineering students. These courses are common to all B.E. / B.Tech. programmes. Various
EEC courses include the following:

S. No.	Sem	Course Group	Course Title	Course Category	СР	L	Т	P	C
1	I	I	Human Excellence and Value Education-I	EEC	2	0	0	2	NC
2	II	I	Human Excellence and Value Education-II	EEC	2	0	0	2	NC
3	VI	Ι	Human Excellence and Value Education-III	EEC	2	0	0	2	NC
4	II	II	Engineering Clinic-I	EEC	2	0	0	2	1
5	IV	II	Engineering Clinic-II	EEC	2	0	0	2	1
6	II	II	Aptitude Skills-I	EEC	1	0	0	1	0.5
7	III	II	Aptitude Skills-II	EEC	1	0	0	1	0.5
8	IV	II	Aptitude Skills-III	EEC	1	0	0	1	0.5
9	V	II	Aptitude Skills-IV	EEC	1	0	0	1	0.5
10	V	II	Coding Skills-I	EEC	2	0	0	2	1
11	VI	II	Coding Skills-II	EEC	2	0	0	2	1
12	V	II	Technical Comprehension and Mock Interview-I	EEC	1	0	0	1	0.5
13	VI	II	Technical Comprehension and Mock Interview-II	EEC	1	0	0	1	0.5
14	VII	III	Industrial Training / Entrepreneurship Activity / Research Activity / Company Certification	EEC	6	0	0	6	3
15	II	Ι	Universal Human Values and Ethics	MC / HS	3	2	1	0	3
16	I	Ι	Heritage of Tamils	MC / HS	1	1	0	0	1
17	II	Ι	Tamils and Technology	MC / HS	1	1	0	0	1
18	V	I	Indian Constitution	AC / HS	2	2	0	0	NC

T: Tutorial Periods / Week, P: Practice Work Periods / Week,

C: Credits, NC: No Credit

6.8.2 **Employability Enhancement Courses:**

Group – I: Human Excellence and Value Education (HE & VE) Courses:

The courses on Human Excellence and Value Education focus on the development of (a) Personal, Interpersonal, Family, Professional, Social, Natural and Global Values and Ethics.

The Centre for Career Development and Training (CDT) offers courses on Value Education as HE & VE - I, HE & VE - II, and HE & VE - III, and are mandatory non-credit courses. Each of these courses will be conducted in workshop mode for 2 to 3 days per course and/or

(e) 6.8.4	Comprehension (Written Examination) and Mock Interviews (Oral Examination) are offered. Assessment: The mode of assessment will be specified for each course in the beginning of the semester. Each student has to score minimum of 50 marks (out of total 100 marks) to pass. If a student fails, the student has to carryout additional activities specified by CDT in the forthcoming semester and earn a minimum of 50 marks to pass. Employability Enhancement Courses: Group – III: Industry / Research Exposure Related Courses: (a) Industrial Training / Internship (b) Entrepreneurship (c) Research Activity
(e)	Comprehension (Written Examination) and Mock Interviews (Oral Examination) are offered. Assessment: The mode of assessment will be specified for each course in the beginning of the semester. Each student has to score minimum of 50 marks (out of total 100 marks) to pass. If a student fails, the student has to carryout additional activities specified by CDT in the forthcoming semester and earn a minimum of 50 marks to pass. Employability Enhancement Courses:
	Comprehension (Written Examination) and Mock Interviews (Oral Examination) are offered. Assessment: The mode of assessment will be specified for each course in the beginning of the semester. Each student has to score minimum of 50 marks (out of total 100 marks) to pass. If a student fails, the student has to carryout additional activities specified by CDT in the forthcoming semester and earn a minimum of 50 marks to pass.
	Comprehension (Written Examination) and Mock Interviews (Oral Examination) are offered. Assessment: The mode of assessment will be specified for each course in the beginning of the semester. Each student has to score minimum of 50 marks (out of total 100 marks) to pass. If a student fails, the student has to carryout additional activities specified by CDT in
	Comprehension (Written Examination) and Mock Interviews (Oral Examination) are offered. Assessment: The mode of assessment will be specified for each course in the beginning of the semester. Each student has to score minimum of 50 marks (out of total 100 marks) to
	Comprehension (Written Examination) and Mock Interviews (Oral Examination) are offered. Assessment: The mode of assessment will be specified for each course in the beginning of
	understanding of various courses studied and industry readiness of the students, Technical
(d)	Courses on Technical Comprehension and Mock Interview: To ensure the level of
	more on Logical Thinking and Problem-Solving Skills than mere Computer Programming.
	their career growth. Hence, the courses on coding skills are offered. These courses focus
	Coding skills are essential for all engineers to enable them to get employment and also for
(c)	Courses on Coding Skills: In the era of digital transformation, Computer programming /
	Critical thinking skills, courses on Aptitude are offered.
(b)	Courses on Aptitude Skills: In order to improve Problem-solving, Logical reasoning and
	and final semester project work.
	Development, Startup-related activities and problem-solving skills in the higher semesters
	real-world applications. It will facilitate the students to take Entrepreneurship, Product
	students can perform hands-on exercises on various engineering applications in a multi- disciplinary way. Engineering Clinic I and II are offered to have a basic understanding of
(a)	Engineering Clinic Courses: The institution has established AICTE-IDEA Lab where
(0)	Group - II: Campus Placement Drive Based Courses: Engineering Clinic Courses. The institution has established AICTE IDEA Lab values.
6.8.3	Employability Enhancement Courses:
(02	country, a course on the Indian Constitution is offered as an Audit, Non-Credit course.
	either in Tamil or in English, for these two courses. To understand the constitution of the
	(Both in Tamil and English). The students can take up IA and End Semester Examination
	(as per the guidelines of Govt. of Tamil Nadu). These courses are taught in a Bilingual mode
	the region, two mandatory courses: Heritage of Tamils, Tamils and Technology are offered
(e)	To provide exposure to Tamil Heritage and Development of Science & Technology in
	any one of the above-said activities and participates sufficiently.
	of the Departments of the concerned department has to ensure that each student is enrolled in
	Student Chapter, IEEE, IE(I)), Student Ambassador programs of various organizations. Head
	Arts, Social Clubs (like Rotract, LEO, Junior JCS), Professional Societies (like SAE, ISTE-
•	NSS, Yoga and Meditation, Sports Club, YRC / RRC, Literacy Club / Tamil Mandram, Fine
(d)	Over and above, each student is expected to participate in any one of the field activities by
	in the curriculum.
	credit courses (as per the AICTE guidelines). The assessment will be conducted as specified
(c)	In addition, a mandatory course will be offered on Universal Human Values and Ethics as 3
	the forthcoming semester and earn a minimum of 50 marks to pass.
	pass. If a student fails, the student has to carry out additional activities specified by CDT in
(b)	the semester. Each student has to score minimum of 50 marks (out of total 100 marks) to
(h)	Assessment: The mode of assessment will be specified for each course in the beginning of
(1.)	marks (IA only) and there is no End Semester Examination (ESE).
<u></u>	as regular classes. Each of these courses will be assessed continuously for a total of 100

	The students need to undergo Industrial Training / Internship (IPT) or Entrepreneurship	
	activities (ED) or Research work (RW) or Company Certifications (CC) equivalent to 3 credits, during the course of study based on the student's future career choice.	
(a)	Industrial Training / Internship (IPT): A student can undertake Internship / Industry Training (IPT) for either 2 weeks or 4 weeks or 6 weeks during summer / winter vacation. Student can take IPT at different industries and complete 6 weeks in total. However, minimum 2 weeks in an industry is essential. For each 2 weeks of IPT, one credit will be offered. After completing the IPT in an industry, student has to produce a IPT completion certificate, mentioning the duration of the training, from the industry. Student has to submit an IPT report in the prescribed format after each industry training within 15 days to the Department IPT Coordinator. Based on the IPT Report, the Department IPT Coordinator will evaluate and award marks. CDT will provide the format for submission of IPT Report. Assessment will be for 100 marks (IA only) and Absolute Grading will be followed.	
(b)	Entrepreneurship (ED): Student can take up Entrepreneurship (ED) and Startup track using the facilities available at AICTE-IDEA Lab, KIOT-Incubation and Startup cell (iStart) and in the departments. Guidelines for evaluation will be specified by iStart and evaluation will be carried out by iStart. Assessment will be for 100 marks (IA only) and Absolute Grading will be followed.	
(c)	Research Work (RW): Students can take up Research Work (RW) under a faculty supervisor approved by the Head of the Department. The Guidelines for assessment will be given by KIOT-Research Forum, and evaluation will be carried out by respective departments. Assessment will be for 100 marks (IA only) and Absolute Grading will be followed. The Research Work can be carried out either in the institution or at any external research centres with prior approval of the supervisor and Head of the Department. For external research work, the guidelines given in <i>Clause 6.9.2 (b)</i> may be followed. Assessment will be carried out by the Research Supervisor based on the guidelines issued by Research Forum.	
(d)	Company Certification: Students can take up reputed Company / Corporate Certifications (CC) with the prior approval of the Head of the Department. The approved set of courses and assessment procedure will be issued by CDT, based on the recommendations of the departments and assessment will be carried out by the respective Department IPT Coordinator. Assessment will be for 100 marks (IA only) and Absolute Grading will be followed.	
(e)	Students can take up any track or combination of tracks to earn the required credits.	
(f)	For Credit and grading related to all these activities, CDT is responsible. CDT will coordinate with Head of the Departments, Research Forum and iStart. Consolidated details of credits earned, marks obtained and grading guidelines will be submitted by the departments to CDT. After due verification, CDT will submit the details to COE for grading.	
(g)	Students can take up these activities during the 2 nd semester to 7 th semester or summer / winter vacation and will be <i>collectively accounted in the 7th semester in the Grading</i> .	
6.9	Make-A-Product and Project Work Courses	
	To provide experience on application of Science, Engineering and Technology Concepts learned through the programme in real world / practical applications, Make-A-Product and Final year project work are offered. Make-A-Product course has one credit and Project work courses have 10 credits.	

6.9.1 **MAKE-A-PRODUCT (MAP):** Concept: This course is offered to the students to have real life product development (a) experiences. It is a team work. Each team will consist of 3 - 5 members. In MAP, each team has to identify a need or product, write down purpose to be met, design and develop the product, and demonstrate that the product has met the required purpose. It can be hardware project or a software application. It can be a totally new product or improvement of existing product. The emphasis is on product development process and demonstration rather than the successful outcome. The team members can be from various programmes / department for inter disciplinary projects. (b) Execution: A faculty supervisor allotted by Head of the Department will supervise each MAP team. For inter-disciplinary applications, one more faculty supervisor from the relevant department can be a joint supervisor. The MAP work will be carried out during 5th and 6th semester of the course, however, the course is accounted for grading in the 6th semester only. One hour / week in the time table during 5th semester and 6th semester is allotted. Each programme will have a MAP Coordinator, nominated by the Head of the Department, who will coordinate all the activities related to MAP. Assessment: The guidelines for assessment will be provided by CDT (taking help from (c) iStart). Each department will have a MAP Review Committee, which will carry out the review and award marks. The committee consists of Department MAP Coordinator (Convenor), one Senior Faculty nominated by Head of the Department and Supervisor of the MAP team. The assessment is for 100 marks and fully assessed as IA and no End Semester Examination. The assessment guidelines are: **Review - 1** Method Review - 2 Review - 3 Review - 4 Review - 5 Fabrication / Fabrication / **Product** Design & Final* Details Development / Development / Identification Progress made Assessment Progress made Progress made Before the One week before One month One month One month last after the last after Timeline after instruction commencement instruction day commencement Review - 3 day of 6th of 6^{th} semester of 5th semester of 5th semester semester 10 20 20 Marks 20 30 * For final assessment, the MAP team has to submit a 5 - 10 page report and demonstrate the working of the product. The department will carry out the assessment and consolidated details will be submitted to CDT. CDT will verify and forward to COE for grading. (d) The student has to secure minimum 50 marks to pass out of total 100 marks. In case, the student has failed, he/she has to complete the course during subsequent semesters. **Project Work** 6.9.2 The student shall register for Project Work Phase-I in pre-final semester and Project Work Phase-II in final semester. Project work may be allotted to a single student or to a group of students not exceeding 4 per group. Project Work Phase-II is the continuation of Project

The student shall register for Project Work Phase-I in pre-final semester and Project Work Phase-II in final semester. Project work may be allotted to a single student or to a group of students not exceeding 4 per group. Project Work Phase-II is the continuation of Project Work Phase-I. In Project Work Phase-I, preliminary work (such as identification of topic, preliminary literature review, etc.,) will be carried out and specific work for project work is to be finalized, so that, in Project Work Phase-II, better outcome can be obtained. *In general, every project work is expected to result in publication of one or more research paper(s) at conferences / journals level and/or filing of the patent.*

- (a) Project Work shall be carried out under the supervision of a "Qualified Faculty" in the Department concerned. In this context "Qualified Faculty" means the faculty member possessing (i) PG degree or (ii) Ph.D. degree.
- (b) Project work may be carried out either internally at the institution or externally in industry or at research institution outside the college. For external projects, there shall be a Joint Supervisor (External Supervisor) at the industry or research institution. Both Internal and External Supervisors jointly supervise the project work. However, Internal Supervisor is responsible for proper execution of the project work.
- (c) The progress of the project work will be reviewed at regular intervals, by the Department Project Review Committee. In general, review meetings will be on physical mode. If necessary, such reviews can be conducted *online* with the prior approval of Head of the Department and Dir-CDDA. Suitable record of all the meetings has to be maintained by the Department Project Coordinator.
- (d) For each programme, Head of the Department will nominate the Department Project Coordinator, who will coordinate all the activities regarding project work (and Make-A-Product course as well, sometimes). In addition, Head of the Department will constitute a Project Review Committee (PRC) with the approval of Head of the Institution. The composition of PRC is Department Project Coordinator (Convenor), one senior faculty (nominated by Head of the Department) and Project Supervisor of the project team. First two members will remain the same for all projects and the 3rd member, Project Supervisor will vary according to the team reviewed. For projects supervised by Department Project Coordinator and Department Faculty Reviewer, Head of the Department will nominate alternate faculty for fair assessment.
- (e) The PRC will carry out all the reviews and award IA marks. In each review, the project team members have to make a presentation of the progress made. Based on the presentation, the PRC will make assessments. Weightages for various assessments are given below:

Continuo	us Internal (60 Marks	Assessment)	E		er Examina Marks)	ntions	
Review*	Review* II	Review* III	Project Report	Viva-Voce Examination			
20	20	20	External	Internal	External	Supervisor	
20	20	20	10	10	10	10	

- * Review I will be carried out at the end of 7th semester. Review II and Review III will be carried out during 8th semester at appropriate time interval.
- (f) In case of industry projects, the internal and external supervisors allot marks for the maximum of 5 marks each in the End Semester Examination. If the industry expert is not available for End Semester Examination, Internal Supervisor will assign marks out of maximum 10.
- (g) The general guidelines for assessment of Project work will be issued by the Head of the Department before the commencement of the Project Work Phase I. The Department Project Coordinator has to ensure the same.
- (m) If the student has submitted the project report but did not appear for the viva-voce examination, it will be considered as fail. In case of Project Work Phase-II, with valid reason he/she will be permitted to resubmit the report within 60 days form the declaration of the results and permitted for reappearance in viva-voce examination based on the

	recommendation of Supervisor and Head of the Department by the Head of the Institution. If
	the student get pass in the reappearance, the degree classification and award of the degree
C 10	will be processed as per the regulation.
6.10	Mandatory Courses (MC)
	Mandatory Courses (MC) should be studied compulsorily by all the students irrespective of
	the programme, which include Induction Program, Environmental Science, Universal Human
	Values and etc. MC course may or may not have credits. Mandatory courses with credits will
	be assessed as specified in the curriculum. Mandatory courses without credits will be assessed like an Audit course. Mandatory Courses may belong to any course type (say HS,
	PC, PE, etc.,) that the student has to study compulsorily.
(11	
6.11	Audit Courses (AC)
(a)	Audit Courses (AC) are the courses that a student can study, and that are offered by
	Institution in any semester. The student has to undergo all course activities and Internal
	Assessment (IA) specified for the course, however no End Semester Examination. On "Satisfactory Completion" of attendance and IA requirements, such courses will be
	mentioned in the Mark sheet / Grade sheet as "AC". Audit Courses are <i>not</i> included for
	CGPA or Credit calculations.
(b)	"Satisfactory Completion" means securing at least 60% attendance and 50% marks in the IA
	out of total IA marks. In case the student has registered and does not fulfil the "Satisfactory
	Completion" level, the courses will not be mentioned in the mark sheet / grade sheet and the
	student need not repeat the course. While registering for a course, if there are any pre-
	requisites for the course, they have to be satisfied. The Class Advisor and Head of the
	Department have to send such details to COE every semester within one week from the last
	instruction day.
6.12	
6.12	instruction day.
6.12	instruction day. Honours / Minor Degree Courses In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn
6.12	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study <i>additional 18 credits</i> and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty /
6.12	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause
6.12	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree.
6.12	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses
	Honours / Minor Degree Courses In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online
6.13	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or
6.13	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the
6.13 (a)	Honours / Minor Degree Courses In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode.
6.13	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is
6.13 (a)	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is eligible to get credit equivalence or not, credit equivalence of the course and guidelines for
6.13 (a) (b)	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is eligible to get credit equivalence or not, credit equivalence of the course and guidelines for award of marks and grades.
6.13 (a)	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is eligible to get credit equivalence or not, credit equivalence of the course and guidelines for award of marks and grades. A student has to get approval from Head of the Department and CDDA before registrations
6.13 (a) (b)	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is eligible to get credit equivalence or not, credit equivalence of the course and guidelines for award of marks and grades. A student has to get approval from Head of the Department and CDDA before registrations and studying any online course in order to get credit equivalence and grades. Approval has to
6.13 (a) (b)	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is eligible to get credit equivalence or not, credit equivalence of the course and guidelines for award of marks and grades. A student has to get approval from Head of the Department and CDDA before registrations and studying any online course in order to get credit equivalence and grades. Approval has to be obtained 15 days before the commencement of online courses.
6.13 (a) (b)	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is eligible to get credit equivalence or not, credit equivalence of the course and guidelines for award of marks and grades. A student has to get approval from Head of the Department and CDDA before registrations and studying any online course in order to get credit equivalence and grades. Approval has to be obtained 15 days before the commencement of online courses. A student can earn a maximum of 16 credits through online courses for credit equivalence.
6.13 (a) (b)	In addition to regular 160 - 170 credits prescribed in the respective programme curriculum to get "Regular" B.E. / B.Tech. Degree, a student can study additional 18 credits and earn "Honours" or "Minor" degree. Such Honours / Minor verticals are offered by each Faculty / Department. Students can take such options subject to certain condition discussed in Clause 19. Minimum 18 credits, in general, need to be studied under Honours / Minor degree. Online Courses Student can take up few courses from online from NPTEL / SWAYAM or any reputed online platform. The course of study has to be either Professional Core or Professional Elective or Open Elective. The courses already completed in the institution should not be repeated in the online mode. Credit Equivalence Committee (CEC) (Refer Clause 6.15) will decide whether the course is eligible to get credit equivalence or not, credit equivalence of the course and guidelines for award of marks and grades. A student has to get approval from Head of the Department and CDDA before registrations and studying any online course in order to get credit equivalence and grades. Approval has to be obtained 15 days before the commencement of online courses.

The Class Advisor and Head of the Department is responsible for keeping record and sending (e) the details of course, marks and grading guidelines to COE. Assessment for Online Courses: For online courses taken from NPTEL / SWAYAM the (f) score obtained is converted out of 100 marks and is directly used for grading. In case, such assessment scores are not available, the guidelines issued by CDDA have to be used for grading. Under such cases, Credit Equivalence Committee will suggest the evaluation procedure. The students must ask for the evaluation procedure before register the course. The Class Advisor and Head of the Department should ensure all these aspects. Value Added Courses (VAC) 6.14 (a) Departments can offer Value Added Courses over and above the regular Curriculum and Syllabus, based on the industry needs. Such courses may be of minimum 30 hours of duration. The VAC are optional and non-credit courses. Faculty can offer such courses with the prior approval of the Head of the Department, CDDA and Head of the Institution. The details of the syllabus, timetable and faculty may be sent to the Head of the Institution in advance (at least one month before) for approval before the course is offered. Industry Experts can be used to offer such Value Added Courses. Under such circumstances, a faculty will be assigned by Head of the Department as VAC Faculty in-charge to carryout assessment related work. Students can take one or two such VACs during the course of study for better employability. **Assessment for Value Added Course** (b) Each Value Added Course will be assessed for 100 marks and shall be evaluated through Internal Assessment (IA) mode only and there is no End Semester Examination. Value Added Courses may be a theory or laboratory or Theory cum laboratory course. The assessment will be carried out accordingly. The method of assessment, weightage and evaluation procedure will be announced prior to the commencement of the course by the course faculty with the approval of the Head of the Department. The assessment will be carried out by the course faculty. (c) The credits and grades obtained will be not considered for credit and CGPA calculations. (d) Class Advisor and Head of the Department are responsible for record keeping and communicating the details to COE. 6.15 CREDIT EQUIVALENCE COMMITTEE (CEC): At the institute level, Head of the Institution will form a CREDIT EQUIVALENCE COMMITTEE (CEC). The committee consists of the Vice Principal (Chairman), Dir-CDDA (Convenor) and Head of the Department of the concerned department (Member). Credit Equivalence Committee is responsible for deciding and recommending Credit Equivalence requests made by the students / faculty / Head of the Department with approval of the Head of the Institution. **Industrial Visit** 6.16 Every student is expected to go for a minimum of FOUR Industrial Visits during the entire course of study. The Head of the Department of the concerned department shall make the necessary arrangements in this regard. COURSE REGISTRATION AND ATTENDANCE REQUIREMENTS 7. 7.1 It is the responsibility of each student to register for all courses to be undergone in the curriculum of a particular semester (with the facility to drop courses to a maximum of 6 credits (vide Clause 7.2)). The courses dropped in earlier semesters can be registered in the

	subsequent semesters when offered. The registration details of the student shall be approved
	by the Head of the Department and Head of the Institution and forwarded to the Controller of
	Examinations. This registration is for undergoing the courses as well as for writing the End
	Semester Examinations. The courses that a student registers in a particular semester may
	include
	i. Courses of the current semester
	ii. Courses dropped in the lower semesters
	iii. Courses for Open Electives / Professional Electives
	iv. Online Courses (Prior approval is needed)
	v. Courses for Honours / Minor Vertical (if opted)
	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. The Class Advisor and Head of the
	Department have to offer necessary guidance and ensure that all the students have properly
	registered for the required classes in a given semester.
7.2	Flexibility to Drop Courses
7.2.1	A student has to earn the total number of credits specified in the curriculum of the respective
	Programme of study in order to be eligible to obtain the degree in the prescribed duration.
7.2.2	From the second to final semesters, the student has the option of dropping few existing
	courses offered during the semester at the time of registration with the approval of Head of
	the Department and Head of the Institution due to valid reasons. Total number of credits of
	such courses dropped shall not exceed 6 credits per semester. The student is permitted to
	drop the course(s) within 30 days of the commencement of the academic schedule / one week
	before the commencement of IAT-1, whichever is earlier.
7.3	Attendance Requirements for Completion of the Semester
	A student who has fulfilled the following conditions shall be deemed to have satisfied the
	requirements for completion of a semester.
7.3.1	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 in sports / to attend certain professional activities, the student is
	expected to attend at least 75% of the classes. Therefore, he/she shall secure the overall
	attendance in the given semester not less than 75% (after rounding off to the next integer).
7.3.2	The overall attendance (for a given semester) will be calculated as given below:
	Overall Percentage of Attendance = $\frac{\text{Total no. of periods attended in all the courses per semester}}{(\text{No. of periods / week as prescribed in the curriculum) x (NW)*}} X 100$ taken together for all courses of the semester
	* if number of weeks (NW) is less than 15 in any semester due to certain unavoidable
	reasons, NW = Actual No. of Weeks classes were held. If NW = 15 or NW > 15, NW = 15
722	will be used to calculate the percentage of attendance.
7.3.3	However, a student who secures overall attendance between 65% and 74% in the current semaster, due to medical reasons (prelanged hasnitalization / agaident / specific illness)
	semester, due to medical reasons (prolonged hospitalization / accident / specific illness) /
	participation in sports, the student may be permitted to appear for the current semester
	examinations, subject to the condition that the student shall submit the medical certificate /
	sports participation certificate to the Head of the Department. If the reasons cited are valid
	and satisfactory, Head of the Department will forward to Head of the Institution for approval.
	The discretion of the Head of the Institution is final in this regard. The same shall be

	forwarded to the Controller of Examinations for record purposes. However, such options can be exercised maximum of two times during the course of study.	
7.3.4	Student who secures less than 65% overall attendance shall NOT be permitted to write the	$\overline{}$
7.5.4	- I	
	End Semester Examination at the end of the semester and not permitted to move to the next	
	semester. The student is required to repeat the incomplete semester in the next academic year,	
	as per the norms prescribed.	
7.3.5	The minimum attendance required is MUST to register and appear for the End Semester	
	Examinations in a given semester.	
8.	CLASS ADVISOR	
	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 Class Advisor is the ex-officio member and the Convener of	
	the class committee. The responsibilities of the Class Advisor shall be:	
	To collect and maintain the records of all the students in the class and various statistical	
	details of students.	
	• To act as the channel of communication between the Head of the Department and the	
	students of the respective class.	
	• To help the chairperson of the class committee in planning and conduct of the class	
	committee meetings.	
	• To monitor the academic performance of the students including attendance and to inform	
	the class committee, Head of the Department and the concerned student.	
	• To attend to the students' welfare activities like awards, medals, scholarships and	
	industrial visits.	
	To provide necessary details to COE with the approval of Head of the Department.	
	• 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.	
9.	CLASS COMMITTEE	
9.1	Every class shall have a class committee consisting of Faculty 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 the rules therein.	
	• 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.	
	• Analyzing the performance of the students of the class after each test and finding the	
	ways and means of improving the performance.	
	• Identifying the slow learners, if any, and requesting the Faculty concerned to provide	
9.2	some additional help or guidance or coaching to such students. The class committee for a class under a particular branch is normally constituted by the Head	
7.4	of the Department. However, if the students of different branches are mixed in a class (like	
<u> </u>	of the Department. However, if the students of different of allettes are fillized in a class (like)	

	the first semester which is generally common to all branches), the class committee is to be
	constituted by the Head of the Institution.
9.3	The class committee shall be constituted within the first week of each semester.
9.4	At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee, for each class. In the case of elective courses, they must be from all the elective courses.
9.5	The chairperson of the class committee may invite the Class Advisor(s) and the Head of the Department to the class committee meetings.
9.6	The Head of the Institution / Vice Principal / Management / Directors may participate in any class committee meetings.
9.7	The chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Department and the Head of the Institution within two days of the meeting and arrange to circulate it among the students and Faculty concerned. If there are some points that require action by the Head of the Institution, the Chairperson will follow up such matters till a solution is provided. If some points require the action by the management, it will be brought to the notice of the management by 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, in order 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.
9.9	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 in order to improve the effectiveness of the teaching-learning process.
9.10	The Class Advisor has to displace the cumulative attendance particulars once in 2 weeks in the class notice board and any student with attendance lag must be personally informed. The class committee chairman has to ensure the process.
9.11	If any student attendance is less than 75%, the Class Advisor has to appropriately inform to the Head of the Department and the student concerned for suitable mid-course correction. The class committee has to ensure the process.
10.	COURSE COMMITTEE FOR COMMON COURSES
	Each common theory course offered to more than one discipline or group, shall have a "Course Committee" comprising all the Faculty 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 Faculty teaching the common course belong to a single department or to several departments. The 'Course Committee' shall meet in order to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests. Wherever feasible, the Course Committee may also prepare a common question paper for the internal assessment test(s). The responsibilities of course committee are similar as the class committee.
11.	SYSTEM OF EXAMINATION
11.1	Performance in each course of study shall be evaluated based on (i) Continuous Internal Assessment (IA) throughout the semester and (ii) End Semester Examination (ESE) at the end of the semester.
11.2	Each course, either theory or practical or theory cum practical or EEC or any other type shall be evaluated for a maximum of 100 marks.
11.3	The weightage of marks (out of 100) for each category of course is given below:

		S.No.	Type of Co	ourse	Weightage of IA		ghtage ESE	Total Marks		
		01	Theory Course	!	40	(50	100		
		02	Theory cum La	ab Course	50	4	50	100		
		03	Laboratory Co	urse	60	2	40	100		
		04	Project Work		60	2	40	100		
		05	Make A Produc	et	100		-	100		
		06	EEC		100		-	100		
		07	Online Course		**	,	**	100		
		08	Non-Credit Co	urse	100		-	100		
		09	Audit Course		100		_	100		
	*	*Refer	Clause 6.13 for	details.						
11.4	The End S	Semester	r Examination	(theory and	d practical)	is of 3	hours o	duration	and for 1	00
			ester Examinati							
	December	during t	he odd semeste	rs and betw	veen April ar	nd June	during t	he even	semesters.	
11.5			ster Examination	-					, the interr	al
			iners shall be ap							_
11.6	_		award of marks	s in IA and	End Semes	ter Exar	ninatior	n are disc	cussed in t	ne
12.	appropriat		es. OR AWARDI	NC MAD	KC EOD I	NTED	NAT A	CCECCI	MENIT AN	n
12.			OR AWARDI REXAMINAT		KS FUK I	NIER	NAL A	SOFSON	IENI AN	ןע
	For all co	ourses, v	viz., theory, lab	poratory, the continuous	ous Internal	Assessr	nent (IA	•	-	
12.1	For all coproject we Examinati Theory Co	ourses, vork and oon mark ourses nuous Ir	viz., theory, laborates, the same shall be award	poratory, the continuous led as per to ment (IA) f	ous Internal he procedure	Assessr e given l	ment (IA below:	A) and E	and Semes	ter
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12.1	For all coproject we Examinati Theory Co The continuous are Method	ourses, von mark ourses nuous Ir ny one of IAT- Writt Tes 50 ma 01.30	triz., theory, laborater courses, the shall be award atternal Assessment of the following part of the followin	he continued as per to the led	cor theory coest based sament* announced urse faculty the ement of	Assessr e given l ourses i Total	ment (IAbelow: s 40 m Tota ESI Writt Examin 100 m 03.00	arks, and E arks, and E ten ation arks hrs ion	d in gener	ral
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				(OR)			
Method	IAT-1	IAT-2	IAT-3	Non Test based Assessment*	Total IA	Total ESE	Total Marks (IA+ESE)
Details	Written Test 50 marks 1.30 hrs duration	Written Test 50 marks 1.30 hrs duration	Written Test 50 marks 1.30 hrs duration	It will be announced by the course faculty during the commencement of the classes	ı	Written Examination 100 marks 03.00 hrs duration	-
Marks	10	10	10	10	40	60	100

*Assignment, Solving Open Ended Problems, Quiz, Seminar, Case study, Mini project, Activity points or Any method approved by Head of the Department, CDDA and Head of the Institution.

Always, Faculty handling the course / Head of the Department / Department has to submit the marks out of 100 for each assessment component of IA and along with Overall Mark Distribution (out of IA) to COE. COE will calculate total IA marks of the student using appropriate formula. The total IA mark is rounded to the nearest integer (out of 40 marks).

12.2 | Laboratory Courses

The total IA marks for laboratory courses shall be 60 marks. Each experiment will be evaluated for maximum of 10 marks based on the performance of the students and record work. The average of all the experiments will be converted to 45 marks. There shall be one test for 100 marks, 03.00 hours duration and the mark obtained will be converted to 15 marks. The total IA marks will be rounded to the nearest integer (out of 60 marks).

Method	Lab Experiment Performance	Internal Test	Total IA	Total ESE	Total Marks (IA+ESE)
Details	Each Experiment: 10 marks Average of all experiments are taken	100 marks 3.00 hrs duration	-	Examination 100 marks 03.00 hrs duration	-
Marks	45	15	60	40	100

12.3 Theory Courses with Laboratory Component

If the credit for theory component is 50% or higher out of total credits of the course, the assessment procedure to be followed is as follows:

			ESE	Total Marks			
Method	Test – 1 (Theory)	Test – 2 (Theory)	Non Test based Assessment*	Lab Component	Total IA	Written Examination	IA+ ESE
Details	Written Test, 30 marks 1.00 hrs duration	Written Test, 30 marks 1.00 hrs duration	It will be announced by the course faculty during the commencement of the classes	Each lab experiment: 10 marks. Average of all experiments are taken	-	Written Examination Theory portion only. (No Lab Component for Exam) 100 Marks 03.00 hrs duration	-
Marks	05	05	10	30	50	50	100

If the credit of theory component is less than 50%, the assessment procedure to be followed is as follows:

	IA						ESE	Total	
		Test – 1	Test – 2	Non Test based	Lab	Total	Laboratory	Marks IA+	
	Method	(Theory)	(Theory)	Assessment*	Component	IA	Examination	ESE	
	Details	Written Test, 30 marks 1.00 hrs duration	Written Test, 30 marks 1.00 hrs duration	It will be announced by the course faculty during the commencement of the classes	Each lab experiment: 10 marks. Average of all experiments are taken	-	Laboratory Practical Examination (Lab Component only for Exam) (No Theory Portion for Exam) 100 Marks 03.00 hrs duration	-	
	Marks	10	10	10	20	50	50	100	
12.4	Assessm	ent for Pr	oject Wor	k: Refer Clause	e 6.9.2				
12.5	Assessm	ent for Ma	ake-A-Pro	duct course: R	efer Clause 6	5.9.1			
12.6	Assessm	ent for En	nployabili	ty Enhanceme	nt Courses: F	Refer C	Clause 6.8.2, 6.8.3,	6.8.4	
12.7	Assessm	ent for Or	lline Cour	ses: Refer Clar	ıse 6.13				
12.8	Assessm	ent for No	n-Credit	Courses: Refer	Clause 6.10	and 6.1	'1		
12.9	Assessm	ent for Au	dit Cours	es: Refer Claus	e 6.10				
12.10	Assessm	ent for Va	lue Added	Courses: Refe	er Clause 6.14	1			
12.11	Display	of Interna	l Assessm	ent (IA) Marks	8				
	displayed	d by the res	spective H	` /	ertments at lea		f for every course YE WORKING D		
12.12	Grievan	ces and R	edressal r	egarding IA ma	arks:				
	After each component of IA assessment, the marks obtained by students will be informed to the respective students by course faculty. If there are any grievances / discrepancies, the student can make a request to the course faculty for redressal. The course faculty will look into and do the needful as per the "Principle of Natural Justice". In case, the student is not satisfied, the student can represent the matter to Head of the Department for redressal. In case, the student is not satisfied with the redressal by the course faculty and Head of the Department, the student can represent the matter to the Head of the Institution in writing. Head of the Institution will refer the matter to "Grievances Redressal Committee for IA", which is a institute-level committee. The said committee will consist of Vice Principal (Chairman), Director - Students Affairs (Convenor) and Dir-CDDA (Member). The committee will investigate the matter and redress the matter with the approval of the Head of the Institution. The committee's / Head of the Institution's decision is final. The student has to submit the grievances in writing within 5 working days from the announcement / display								
12.13		of Answer		e respective co	<u> </u>				+
	any theo through "Openda Answer S	ry course proper ap y" for vie Script and	within fit oplication wing of the check for	ve working da by paying the he Answer Scr any discrepand	ys (after december prescribed ript by the street in totalling	laratio fee. T tudent. ig or v	wing of the Answern of ESE results The COE will a The student can aluation. With five	to COE rrange an view the e working	

	After viewing the answer script, if a student applies for the retotalling or revaluation through proper application to the Controller of Examinations, the Controller of Examinations will arrange for the revaluation and publish the results. Revaluation is not permitted for practical courses, project work and EEC courses. A student can apply for revaluation of answer scripts for, not exceeding, 5 courses at a time.	
12.14	Faculty Class Record and Attendance Record	
(a)	Every Faculty is required to maintain a 'FACULTY CLASS RECORD ' which consists of attendance marked for each lecture or practical or project work class, the test marks, and the record of class work (topic covered), and other relevant details, separately for each course. This should be verified by 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.	
(b)	Class Advisor has to maintain the overall class attendance of all the students and has to submit the fortnight attendance details to Head of the Department. Class Advisor and Head of the Department have to monitor for any attendance lag and correct accordingly.	
12.15	Conduct of Academic Audit	
	The institution is NAAC Accredited and eligible courses are NBA Accredited. In order to ensure quality in Academics, every semester Internal Quality Assurance Cell (IQAC) of the institution conducts Academic and Administrative Audit. As a part of the Academic Audit of IQAC, all records pertaining to the student's education like IA marks, Student Development Activities, IA Question Papers, Answer Scripts, Laboratory sample records. etc., will be audited along with faculty course file. It is the responsibility of each course faculty and Head of the Department to keep all such records, and submit for assessments. Head of the Institution / Dir-CDDA / Vice Principal may inspect such records at any point of time. Any discrepancies or suggestions for improvement suggested by the Audit Committee and/or Used of the Institution have to be restified and preparely accounted in future activities.	
12	Head of the Institution have to be rectified and properly accounted in future activities.	
13.	REQUIREMENTS FOR APPEARING END SEMESTER EXAMINATIONS	
	A student shall normally be permitted to appear for the End Semester Examinations for all the courses registered in the current semester if he/she has satisfied the semester completion requirements (as per Clause 7).	
	Further, examination registration by a student is mandatory for all the courses in the current semester and all arrear course(s) for the End Semester Examinations, failing which the student will not be permitted to move to the higher semester.	
	A student who has already appeared for any course in a semester and passed the examination is not entitled to reappear in the same course for improvement of grades.	
14.	PASSING REQUIREMENTS	
14.1	A student who secures not less than 50% of total marks prescribed for the course [Internal	
	Assessment + End Semester Examinations] with a minimum of 45% of the marks prescribed for the End Semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and laboratory courses (including project work).	
14.2	If a student fails to secure a pass in a theory course / laboratory course, the student shall register and appear only for the End Semester Examination in the subsequent semester. In such cases, the Internal Assessment marks obtained by the student in the first appearance shall be retained and considered valid for the first and second attempts (appearance in Arrear Subject). However, from the third attempt onwards, if a student fails to obtain pass marks (IA	

	+ End Comosto	r Evamination)	og par Clauga 14.1 than tha	student shell he d	aglamad to have		
	+ End Semester Examination) as per <i>Clause 14.1</i> , then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the End						
	1 =	nination in he/si		70 marks present	ed for the End		
14.3	If the course, in course, the stud	If the course, in which the student has failed, is a Professional Elective or an Open Elective course, the student may be permitted to complete the same course. In such cases, the internal assessment marks and passing details as per <i>Clause 14.2 and 14.1</i> .					
14.4	· ·	udent can drop the elective and study other options within the specified ith the approval of the Head of the Department and Head of the Institution.					
	If any other Professional Elective or Open Elective course is opted by the student, the previous registration is cancelled and henceforth it is to be considered as a new Professional Elective or Open Elective course. The student has to register and attend the classes, earn the continuous assessment marks, fulfil the attendance requirements as per <i>Clause 7</i> and appear for the End Semester Examination.						
14.5	If a student is absent during the Project work viva - voce End Semester Examination, it would be considered as fail. The student shall register for the course again in the subsequent semester and can do Project Work.						
14.6	The passing requirement for the courses which are assessed <i>only</i> through Internal Assessments mode (like EEC courses except Project Work), is a minimum 50% of the Internal Assessment marks.						
15.	AWARD OF L	ETTER GRAD	ES				
	Either Absolute Grading or Relative Grading is used to award Letter Grades and Grade Points for the students, based on the total marks obtained by students in each course. For all the theory courses (with students more than 30), Relative Grading will be followed. For all other courses, such as laboratory courses, EEC, project work, and theory courses with student strength less than or equal to 30, Absolute Grading will be followed.						
15.1	Letter Grade a	and Grade Poin	t				
	The Letter Grades and the corresponding Grade Points used for grading each course shall be as follows:						
		Letter Grade	Description	Grade Point			
		О	Outstanding	10			
		A+	Excellent	9			
		A	Very Good	8			
		B+	Good	7			
		В	Average	6			
		С	Satisfactory	5			
		U	Re-appearance	0			
		SA	Shortage of Attendance	0			
		WD	Withdrawal	0			
		AC	Audit Course	0			
		MC	Mandatory Non-credit Course	0			

After follow Th	91-100 e Sheet results are deving details: ne list of cours	81-90 clared, Grad	71-80 de Sheets will de during the state of	61-70 I be issued to semester and			< 50
After follow	91-100 e Sheet results are deving details:	81-90	71-80	61-70 be issued to	each studer	nt which wil	< 50
	91-100 e Sheet	81-90	71-80	61-70			< 50
Grade	91-100				56-60	50-55	
					<i>5((</i>)	50 55	
		- AT			D		
Table			· .		R	С	U
The absolute grading shall be followed with the mark range for each course as specified in							
Absolute Grading							
the students' strength is less than or equal to 30, the Absolute Grading method is adopted.							
	•			-			
the relative grading shall be done. The marks of those students who have passed in the course							
For those students who have passed the theory course (with student strength greater than 30),							
			C Sansiacioi	y icvei.			
			-	_	Result shee	et and Grade	sheet, if the
	=			_		_	=
					nd the grade	e point will	be zero. For
	=	-	=		raculty super	rvision assig	nea by CDT
• If	the grade U	is given to l	EEC course,	which is ev	•	_	
					uon and Iull	in the norms	specified in
		-	=		-		
	Ū	_	•		•	•	•
		_	_		_	. stady the (Coarse when
-					register and	l study the a	course when
fro	om the exam	for the part	cicular course	e. The grade			
		_			*	-	
		e obtains an	ly one of the		grades: "O",	"A+", "A",	"B+", "B",
	• 'S will street with the relational of the street with the table with table with the table with table with tab	 "C". "SA' denotes is writing the End "U" denotes that from the exam Result Sheet as A student with offered next time. If the grade U is course, it is not student has to a Clause 14 to ear. If the grade U has to register course or may sand take up assed. For Audit Cour Mandatory Courses are come. In both courses are come. Relative Grading. For those students with the relative grading only shall be given. Grading method not computes the grade the students' streng. Absolute Grading. The absolute grading the table. 	 "C". "SA' denotes shortage of writing the End Semester E "U" denotes that the studer from the exam for the part Result Sheet as well as in the A student with "SA" grade offered next time and comp If the grade U is given to a course, it is not required to student has to appear for the Clause 14 to earn a pass in If the grade U is given to has to register for the cour course or may study under and take up assessments on For Audit Courses, they we Mandatory Courses with not be zero. In both these cases courses are completed to the Relative Grading For those students who have past the relative grading shall be dononly shall be given as input to Grading method normalizes the computes the grade range for ethe students' strength is less that Absolute Grading The absolute grading shall be the table. Table – Grade range for Absolute Grader range for Absolute Gr	 "C". "SA' denotes shortage of attendance (writing the End Semester Examinations. "U" denotes that the student has failed to from the exam for the particular course Result Sheet as well as in the Grade Sheet. A student with "SA" grade or "WD" goffered next time and complete it as per course, it is not required to satisfy the attendance student has to appear for the End Semest Clause 14 to earn a pass in the respective. If the grade U is given to EEC course, has to register for the course again in the course or may study under "self-study mand take up assessments only to pass the Mandatory Courses, they will be marked Mandatory Courses with no credits, the be zero. In both these cases, they will find courses are completed to the "Satisfactor Relative Grading For those students who have passed the theory than the grade range for each course set the students' strength is less than or equal to Absolute Grading The absolute grading shall be followed with the table. Table – Grade range for Absolute Grading 	 "C". "SA' denotes shortage of attendance (as per Clan writing the End Semester Examinations. 'SA' will appear the End Semester Examinations of the End Semester Examination offered next time and complete it as per the regulation.' If the grade U is given to a theory course or a laborate course, it is not required to satisfy the attendance restructed that the stotage appear for the End Semester Examinate Clause 14 to earn a pass in the respective course. If the grade U is given to EEC course, which is even has to register for the course again in the subseque course or may study under "self-study mode" under and take up assessments only to pass the course. For Audit Courses, they will be marked as "AC" and Mandatory Courses with no credits, they will be marked as "AC" and Mandatory Courses with no credits, they will figure both in courses are completed to the "Satisfactory" level. Relative Grading For those students who have passed the theory course (we the relative grading shall be done. 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If the grade U is given to EEC course, which is evaluated only has to register for the course again in the subsequent semester course or may study under "self-study mode" under faculty supe and take up assessments only to pass the course. For Audit Courses, they will be marked as "AC" and the grade Mandatory Courses with no credits, they will be marked as "Me be zero. In both these cases, they will figure both in Result sheet courses are completed to the "Satisfactory" level. Relative Grading For those students who have passed the theory course (with student sthe relative grading shall be done. The marks of those students who honly shall be given as input to the software developed for Relative Grading method normalizes the results data using the BOX-COX tracomputes the grade range for each course separately and awards the the students' strength is less than or equal to 30, the Absolute Grading The absolute grading shall be followed with the mark range for each the table. Table – Grade range for Absolute Grading 	 'SA' denotes shortage of attendance (as per Clause 7.3) and hence prewriting the End Semester Examinations. 'SA' will appear only in the Result semination that course in the Result semination that course in the Grade Sheet. "U" denotes that the student has failed to pass in that course. "WD" denotes from the exam for the particular course. The grades U and WD will figure Result Sheet as well as in the Grade Sheet. A student with "SA" grade or "WD" grade has to register and study the offered next time and complete it as per the regulation. If the grade U is given to a theory course or a laboratory course or theory curcourse, it is not required to satisfy the attendance requirements (vide Clause student has to appear for the End Semester Examination and fulfil the norms Clause 14 to earn a pass in the respective course. If the grade U is given to EEC course, which is evaluated only through IA has to register for the course again in the subsequent semester and study licourse or may study under "self-study mode" under faculty supervision assig and take up assessments only to pass the course. For Audit Courses, they will be marked as "AC" and the grade point will Mandatory Courses with no credits, they will be marked as "MC" and grade be zero. In both these cases, they will figure both in Result sheet and Grade courses are completed to the "Satisfactory" level. Relative Grading For those students who have passed the theory course (with student strength greather relative grading shall be done. The marks of those students who have passed only shall be given as input to the software developed for Relative Grading. Grading method normalizes the results data using the BOX-COX transformation computes the grade range for each course separately and awards the grade to each the students' strength is less than or equal to 30, the Absolute Grading method is Absolute Grading The absolute grading shall be followed with the mark range for each course

GPA for a semester is the ratio of the sum of the products of the number of credits ac	
for courses and the corresponding Grade points to the sum of the number of credits ac for the courses in the semester. CGPA will be calculated in a similar manner, consider the courses registered from the starting semester. "U" grades will be excluded for calculated and CGPA.	equired ring all
GPA/CGPA = $\frac{\sum_{i=1}^{n} [C_i^* (GP)_i]}{\sum_{i=1}^{n} [C_i]}$	
Where "C _i " is the number of Credits assigned to the course. "(GP) _i " is the Grade Point corresponding to the grade obtained for each course. "n" is number of all courses successfully cleared during the particular seme in the case of GPA and during all the semesters in the case of CGPA.	
16. ELIGIBILITY FOR THE AWARD OF THE DEGREE	
16.1 A student shall be declared to be eligible for the award of the B.E. / B.Tech. I provided the student has	Degree
Successfully gained the required number of total credits as specified in the curri corresponding to the student's programme within the stipulated time.	culum
• Successfully completed the course requirements and acquired required number of credits, appeared for the End Semester Examinations and passed all the courses the period as prescribed in <i>Clause 4.2</i> .	
Successfully passed any additional courses prescribed by the Credit Equiv Committee, whenever the student is readmitted under the current Regulations (Figure 1) from the earlier Regulations.	
No disciplinary action pending against the student.	
The award of degree must have been approved by the Syndicate of the affi University (Anna University).	liating
16.2 Classification of the Degree Awarded	
16.2.1 First Class with Distinction	
A student who satisfies the following conditions shall be declared to have passed examination in First Class with Distinction :	ed the
• Should have passed the examination in all the courses of all the eight semester 6 semesters in the case of Lateral Entry) in the student's First Appearance with years and (Four years in the case of Lateral Entry).	`
Withdrawal from examination (vide Clause 17) will not be considered as an appear.	ance.
Should have secured the final CGPA of 8.50 and above.	
One year authorized break of study (if availed of) is included in the five years an years in the case of lateral entry for the award of First class with Distinction.	d four
Should NOT have been prevented from writing End Semester Examination due to 1 attendance in any semester.	ack of
attendance in any semester.	
16.2.2 First Class	

Should have passed the examination in all the courses of all eight semesters and 6 semesters in the case of Lateral Entry within five years and four years in the 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 and four years in the case of lateral entry for the award of First class Should have secured a CGPA of not less than 6.50 and does not fall under First Class with Distinction category. **Second Class** 16.2.3 All other students (not covered in Clauses 16.2.1 and 16.2.2) who qualify for the award of the degree (vide Clause 16.1) shall be declared to have passed the examination in **Second** Class. 16.3 A student who is absent in the semester Examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification (subject to Clause 17). 17. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION 17.1 A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by the Head of the Institution) 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 Institution with the required documents. 17.2 Withdrawal application is valid if the student is otherwise eligible to write the examination (Clause 7) 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 Department. The Head of the Institution will approve the Withdrawal based on the genuineness of the case. For a student to withdraw from a course / courses, he/she should have registered for the course, fulfilled the attendance requirements (vide Clause 7) and earned continuous assessment marks. 17.2.1 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 by the Head of the Institution, if applied, 3 days before the result passing board meeting. In case of withdrawal from a course / courses, the courses will figure both in the Grade Sheet 17.3 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. 17.4 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). 17.5 If a student applies for withdrawal from Project Work, he/she will be permitted for the withdrawal only after the submission of project report before the deadline. However, the student may appear for the viva voce examination within 30 days after the declaration of results for Project Work Phase - I and Phase - II respectively and the same shall not be considered as reappearance. Withdrawal is permitted for the End Semester Examinations in the final semester as well. 17.6 18. PROVISION FOR AUTHORIZED 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	Break of Study shall be granted only once for valid reasons for a maximum of one year	
	during the entire period of study of the degree programme. However, in extraordinary	
	situation the student may apply for additional break of study not exceeding another one year.	
	If a student intends to temporarily discontinue the programme in the middle of the semester	
	for valid reasons, and to re-join the programme in a subsequent year, permission may be	
	granted based on the merits of the case provided he/she applies to the Director, Student	
	Affairs in advance, but not later than the last date for registering for the End Semester	
	Examination of the semester in question, through the Head of the Institution stating the	
	reasons therefore and the probable date of re-joining the programme.	
18.3	The student permitted to re-join 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	
	re-joining. The students re-joining in new Regulations shall register for additional courses (if	
	required). Such students have to make a request to Credit Equivalence Committee (CEC)	
	through Head of the Department. CEC will analyze the regulation already studied by the	
	student and the current Regulation and instruct any additional courses to be studied under the	
	current Regulation. These courses may be from any of the semesters of the curriculum in	
	force, so as to bridge the curriculum in force and the old curriculum. In such cases, the total	
	number of credits to be earned by the student may be more than or equal to the total number	
	of credits prescribed in the curriculum in force.	
18.4	The authorized break of study is included in the duration specified for passing all the courses	
	for the purpose of classification (vide <i>Clause 16.2</i>).	
18.5	The total period for completion of the Programme reckoned from, the commencement of the	
	first semester to which the candidate was admitted shall not exceed the maximum period	
	specified in <i>Clause 5.1</i> irrespective of the period of break of study in order that he/she may	
	be eligible for the award of the degree.	
18.6	If any student is prevented for want of required attendance, the period of prevention shall not	
10 =	be considered as authorized 'Break of Study' (Clause 18.1).	
18.7	If a student in Full Time mode wants to take up a job / start-up / entrepreneurship during the	
	period of study he/she shall apply for authorized break of study for one year. The student	
	shall join the job / start-up / entrepreneurship only after getting approval of the same by the	
	Head of the Institution with due proof to that effect.	
18.8	No fee is applicable to students during the Break of Study period.	
19.	B.E. / B.Tech. (HONOURS): SPECIALIZATION IN THE SAME DISCIPLINE AND	
	B.E. / B.Tech. (MINOR): SPECIALIZATION IN THE OTHER DISCIPLINES	
19.1	For a Regular B.E. / B.Tech. Degree , the student has to earn totally 160-170 credits during	
	the entire course of study as specified in the respective curriculum. A student can earn B.E. /	
	B.Tech. (Honours) degree or B.E. / B.Tech. (Minor) degree by studying additional 18 credits	
	on anyone of specializations offered by various departments. The student can take such a	
	specialization in the SAME Faculty / department / discipline (which is called "HONOURS")	
	or from OTHER Faculty / departments / disciplines (which is called "MINOR"). Such	
	courses will be offered during 5, 6, 7 and 8 th semesters. The guidelines for obtaining Honours	
	/ Minor degree are as follows.	L
19.2	B.E. / B.Tech. (Honours)	
(a)	The student should have to earn a minimum of 18 credits additionally from list of Honours /	
	Minor vertical courses offered by the SAME Department / Discipline / Faculty.	
	, 1 1 v	

(b)	The student should <i>not</i> have any <i>standing arrears</i> at the end of the 3 rd semester.				
(c)	The student should have a minimum of CGPA of 7.5 at the end of the 3 rd semester.				
19.3	B.E. / B.Tech. (Minor)				
(a)	The student should have to earn a minimum of 18 credits additionally from list of Honours / Minor vertical courses offered from the OTHER Programme / Discipline / Faculty.				
(b)	The student should <i>not</i> have any <i>standing arrears</i> at the end of the 3 rd semester.				
(c)	The student should have a minimum CGPA of 7.5 at the end of the 3 rd semester.				
19.4	The list of Honours/ Minor specializations will be communicated by CDDA with the approval of Head of the Institution for each <i>Batch of students</i> .				
19.5	Out of these (minimum) 18 credits, students can earn a maximum of 6 credits in online mode, over and above the maximum credit limit for online courses specified for the regular B.E. / B.Tech. programme. The "Honours" or "Minor" degree is OPTIONAL for students and not mandatory to get the				
19.7	regular B.E. / B.Tech. Degree. If a student decides not to opt for Honours or Minor Degree option, after completing the certain number of additional courses, the additional courses studied shall be considered instead of the Professional Elective Courses which are part of the curriculum subject to the provisions available. If the student has studied more 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 calculation of CGPA. Remaining courses shall be printed in the mark sheet as Audit Courses, however, they will not be considered for calculation of CGPA.				
19.8					
19.9	The Credit Equivalence Committee (CEC) will decide on all such matters.				
20.	DISCIPLINE				
20.1	Every student is required to maintain discipline and decorum both inside and outside the institution. They shall follow all the rules regulations and should not indulge in any activity which can tarnish the reputation of the University or Institution. The Head of the Institution shall refer any act of indiscipline by students to the Discipline Committee and other appropriate committee for action.				
20.2	Any Examination related "Malpractices", the guidelines by Controller of Examinations will be followed.				
20.3	As per AICTE and State Government guidelines, no student should involve in any kind of Ragging, Sexual Harassment, Consumption of Alcohol and Narcotic Products within the Campus Premises, Hostels and outside, and Anti-National Activities. Involvement in such aspects are serious disciplinary matters and will be dealt seriously.				
21.	REVISION OF REGULATIONS, CURRICULUM AND SYLLABI				
	The Institution may from time-to-time revise, amend or change the Regulations, Curriculum, Syllabi and Scheme of Examinations through respective Board of Studies and the Academic				
	Council of the Institution.				