Date: 02.11.2022

REVISED - I

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

SI. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised	Existing	Revised
1.	B.E. / B.Tech. (Full-Time)	III	22.08.2022	08.12.2022	27.12.2022	10.12.2022	18.01.2023	21.12.2022	29.12.2022
2.	B.Arch. (Full-Time)	III	22.08.2022	08.12.2022	-	10.12.2022	18.01.2023	21.12.2022	29.12.2022
3.	B.E. / B.Tech (Part-Time)	III							
4.	M.B.A. (5 Yrs-Integrated)	III							
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	-	21.12.2022	18.01.2023	02.01.2023	29.12.2022

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.02.2023 (Wednesday)

NOTE:
1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.
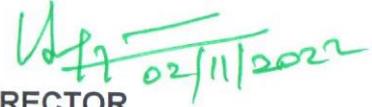
02/11/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

ANNA UNIVERSITY : : CHENNAI - 600 025

> **AFFILIATED INSTITUTIONS**

REGULATIONS 2021

CHOICE BASED CREDIT SYSTEM

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

**(For the students admitted to B. E./B. Tech. Programme
at various Non-Autonomous Affiliated Institutions)**

DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY

This Regulation is applicable to the students admitted to B.E/B.Tech. Programmes at all Engineering Colleges affiliated to Anna University, Chennai (other than Autonomous Colleges) and to all the University Colleges of Engineering of Anna University, Chennai from the academic year 2021-2022 onwards.

1. **PRELIMINARY DEFINITIONS AND NOMENCLATURE**

   In these Regulations, unless the context otherwise requires:

   I) "**Programme**" means Degree Programme, that is B.E./B.Tech. Degree Programme.

   II) "**Discipline**" means specialization or branch of B.E./B.Tech. Degree Programme, like Civil Engineering, Textile Technology, etc.

   III) "**Course**" means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.

   IV) **"Director, Centre for Academic Courses"** means the authority of the University who is responsible for all academic activities of the Academic Programmes for implementation of relevant rules of this Regulations pertaining to the Academic Programmes.

   V) **"Chairperson"** means the Head of the Faculty.

   VI) **"Head of the Institution"** means the Principal of the College.

   VII) **"Head of the Department (HOD)"** means the Head of the Department concerned.

   VIII) **"Controller of Examinations (COE)"** means the authority of the University who is responsible for all activities of the University Examinations.

   IX) **"University"** means ANNA UNIVERSITY, CHENNAI.

2. ADMISSION

2.1 Candidates seeking admission to the first semester of the eight semesters B.E./ B.Tech. Degree Programme:

Should have passed the Higher Secondary Examinations of (10+2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.

(OR)

Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.

2.2 **Lateral entry admission**

(i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamil Nadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech., as per the rules fixed by Government of Tamil Nadu.

(OR)

(ii) The candidates who possess the Degree in Science (B.Sc.) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech.

Such candidates shall undergo two additional Engineering subject(s) in the **third and fourth semesters** as prescribed by the University.

3. PROGRAMMES OFFERED

B.E. / B.Tech. Programmes under the Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Electrical Engineering, Faculty of Information and Communication Engineering and Faculty of Technology.

4. STRUCTURE OF PROGRAMMES

4.1 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:

i. **Humanities, Social Sciences and Management Courses (HSMC)** include Professional English, Communication skills etc.

ii. **Basic Sciences Courses (BSC)** include Mathematics, Physics, Chemistry, Biology, Environmental Science etc.

iii. **Engineering Sciences Courses (ESC)** include Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc.

iv. **Professional Core Courses (PCC)** include the core courses relevant to the chosen specialization/branch.

v. **Professional Elective Courses (PEC)** include the elective courses relevant to the chosen specialization/ branch.

vi. **Open Elective Courses (OEC)** include the courses offered by a branch to other branches, from the list specified in the respective curriculum of the B.E. / B. Tech. / B. Arch. Programmes.

vii. **Employability Enhancement Courses (EEC)** include Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc.

viii. **Audit courses (AC)** include the courses such as Constitution of India, Sangam literature etc.

4.2   Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes NCC/NSS/NSO/YRC and undergo training / conduct activities for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid. Alternately, activities of science, literature and arts also help for personality and character development. So, students shall conduct and participate actively in Science club/Literary Forum/Fine Arts activities for 80 hours and participate in at least ONE event.

National Cadet Corps (NCC) will have about 20 parades.

National Service Scheme (NSS) will have social service activities in and around the College / Institution.

National Sports Organization (NSO) will have Sports, Games, Drills and Physical exercises.

Youth Red Cross (YRC) will have activities related to social services in and around College/Institution.

While the training activities will normally be during weekends, the camp will normally be during vacation period.

Science club shall organise activities of popularisation of science and scientific temper through activities related to astronomy, works of great scientists from India and abroad, observing National Science Day, etc.

Literary Club like 'Tamil Ilakkiya Mandram' shall be formed, which shall organise colourful literary events to propagate good humanist values, morals and ethics reflected in the literature.

Fine Arts Club like music, painting and documentary films with social themes shall be encouraged.

Students who enroll and take active participation in anyone of the above activities for 80 hours and participate at least one event/programme will be given a certificate by the Head of the Institution and the copy of the same shall be forwarded to the Controller of Examinations for the purpose of record and scrutiny.

No fee shall be charged for all these activities.

4.3 Number of courses per semester

Each semester curriculum shall normally have a blend of lecture courses not exceeding **7** Theory courses and Laboratory integrated theory courses and **4** Employability Enhancement Course(s) and Laboratory Courses. However, the total number of courses per semester shall not exceed 10. Each Course shall have credits assigned as per clause 4.4.

4.4 Credit Assignment

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

Contact period per week	CREDITS
1 Lecture Period	1
1 Tutorial Period	1
1 Laboratory Period (also for EEC courses like Seminar / Project Work /Case study / etc.)	0.5

4.5. Industrial Training/ Internship

4.5.1 The students may undergo Industrial training for a period as specified in the Curriculum during the summer / winter vacation. In this case, the training has to be undergone continuously for a period of at least two weeks in an organization.

The students may undergo Internship at a Research organization / University/ Industry (after due approval from the Head of the Institution) for the period prescribed in the curriculum during the summer / winter vacation, in lieu of Industrial training. Attendance Certificate mentioning the period of Industrial Training / Internship and signed by the competent authority of the industry, as per the format provided by the Centre for Academic Courses shall be submitted to the Head of the Institution. The attendance certificate shall be forwarded to the COE, Anna University by the Head of the Institution for processing results.

4.5.2 If Industrial Training/ Internship is not prescribed in the curriculum, the student may undergo Industrial Training/ Internship optionally and the credits earned will be indicated in the Grade Sheet. If the student earns three credits in Industrial Training/ Internship, the student may drop one Professional Elective (only one professional elective can be dropped). In such cases, Industrial Training / Internship need to be undergone continuously from one organization or with a combination one two week and one four week from one/two organizations. However, if the number of credits earned is 1 or 2, then these credits shall not be considered for classification of the degree. Students shall get permission from the Head of the Institution for taking Industrial Training/Internship and the Certificate of completion of Industrial Training / Internship shall be forwarded to the COE.

DURATION OF TRAINING/INTERNSHIP	CREDITS
2 Weeks*	1
4 Weeks	2
6 Weeks	3

*1 Week = 40 Internship Hours

4.6   Industrial Visit

Every student is required to go for at least one Industrial Visit every semester starting from the second year of the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

4.7   Value Added Courses

The students may optionally undergo Value Added Courses (VAC) over and above the topics covered in the curriculum to obtain practical and industry specific knowledge. The credits earned through the Value Added Courses shall be over and above the total credit requirements prescribed in the curriculum for the award of the degree**. One / Two credit courses shall be offered by a Department of an institution with the prior approval from the Head of the Institution and the Centre for Academic courses without any additional fee charged from the students.** The details of the syllabus, time table and course coordinator may be sent to the Centre for Academic Courses at least one month before the course is offered for approval. **Students can take a maximum of two one credit courses / one two credit course** during the entire duration of the Programme.

4.8   Online Courses

Students may be permitted to credit a maximum of two online courses, subject to a maximum of six credits, with the approval of the **Head of the Institution** and the **Centre for Academic Courses, in lieu of open elective / professional elective courses. The Head of the Institution shall form a three member committee with members as HOD and a faculty member from the Department of the student, HOD of any other branch of the Institution to ensure that the student has not studied such courses and would not repeat it again as Professional Core/Professional Elective/Open Elective courses.** Suitable online courses shall be chosen from the SWAYAM platform.

4.9   Audit courses

The student may optionally study audit courses prescribed by the University and it will be mentioned in the Grade Sheet. However, it will not be considered for computation of CGPA.

4.10   Advancement of Courses:

The students who completed their final semester courses (except project work) in advance, shall be permitted to carry out their final semester Project Work for six months in an industry/research organization.

These students shall undergo the eighth semester courses other than the Project Work in the sixth and seventh semesters, provided they do not have current arrears and have a CGPA of 7.50 and above at the end of Semester IV. The Head of Department, in consultation with the faculty handling the said courses shall forward the proposal recommended by the Head of Institution to the Controller of Examinations through the Director, Centre for Academic Courses for approval at least 4 weeks before the commencement of the sixth semester of the programme for approval.

4.11   Medium of Instruction

The medium of instruction is English for all courses, examinations, Seminar presentations and Project Work reports except for the programmes offered in Tamil Medium.

5.   DURATION OF THE PROGRAMME

5.1   A student is ordinarily expected to complete the B.E. / B.Tech. Programme in 8 semesters (for HSC students) and six semesters (for Lateral Entry students) but in any case not more than 14 Semesters for HSC (or equivalent) students and not more than 12 semesters for Lateral Entry students.

5.1.1 A student is ordinarily expected to complete the B.E. Mechanical Engineering (Sandwich) Programme in 10 semesters (five academic years) but in any case not more than 18 Semesters for HSC (or equivalent) students.

5.2   Each semester shall normally consist of 75 working days or 540 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

5.3   The Head of the Institution may conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 6) by the students, following method shall be used.

$$\text{Percentage of Attendance} = \frac{\text{Total no. of periods attended in all the courses per semester}}{\text{(No. of periods / week as prescribed in the curriculum) x 15 taken together for all courses of the semester}} \times 100$$

The University Examination will normally follow immediately after the last working day of the semester as per the academic schedule prescribed from time to time.

5.4   The total period for completion of the programme reckoned from the commencement of the first semester to which the student was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 18) in order that he/she may be eligible for the award of the degree (vide clause 16).

6.   COURSE REGISTRATION

6.1 The institution is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has 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 6.2)). 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 Institution and forwarded to the Controller of Examinations. This registration is for undergoing the course 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 and
  iii. Courses advanced to Semester VI and VII from Semester VIII (as per clause 4.10).

The maximum number of credits that can be registered in a semester is 36. However, this does not include the number of Re-appearance (RA) and Withdrawal (W) courses registered by the student for the appearance of Examination.

6.2 Flexibility to Drop courses

6.2.1   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.

6.2.2   From the second to final semesters, the student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses shall not exceed 6 per semester. The student is permitted to drop the course(s) within 30 days of the commencement of the academic schedule.

7.   ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

7.1   A student who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

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, the student is expected to attend at least 75% of the classes.

Therefore, he/she shall **secure not less than 75%** (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3.

7.2   However, a student who secures overall attendance between 65% and 74% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / participation in sports events 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 attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes.

7.3   Students who **secure less than 65% overall attendance** shall not be permitted to write the University examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

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 HOD of the department concerned. The class advisor is the ex-officio member and the Convener of the class committee. The responsibilities for the class advisor shall be:

- To act as the channel of communication between the HOD and the students of the respective class.
- To collect and maintain various statistical details of students.
- 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.
- To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.

9. CLASS COMMITTEE

9.1. Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson, who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching-learning process. The functions of the class committee include:

- Solving problems experienced by students in the class room and in the laboratories.
- Clarifying the regulations of the degree programme and the details of rules therein particularly (clause 5 and 7).
- 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 solving problems, if any.
- Identifying the slow-learners, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such students.

9.2 The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the 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, covering all the elective courses.

9.5 The chairperson of the class committee may invite the class adviser(s) and the Head of the Department to the class committee meeting.

9.6 The Head of the Institution may participate in any class committee meeting of the institution.

9.7 The chairperson is required to prepare the minutes of every meeting, submit the same to the Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.

9.8 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, 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. **The Class**

Committee Chairperson shall display the cumulative attendance particulars of each student on the Notice Board at the end of every such meeting to enable the students to know their attendance details to satisfy the clause 6 of this Regulation. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching-learning 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 teachers teaching the common course with one of them nominated as the course coordinator. The nomination of the course coordinator shall be made by the Head of the Department / Head of the Institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The 'Course Committee' shall meet 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).

11. SYSTEM OF EXAMINATION

11.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) University examination at the end of the semester.

11.2 Each course, both theory and practical (including project work & viva voce examinations) shall be evaluated for a maximum of 100 marks.

11.2.1 For all theory courses, the continuous internal assessment will carry **40 marks** while the End Semester University examination will carry **60 marks.**

11.2.2 For all theory courses with laboratory component, the continuous internal assessment will carry **50 marks** while the End Semester University examination will carry **50 marks.**

11.2.3 For all laboratory courses, the continuous internal assessment will carry **60 marks** while the End Semester University examination will carry **40 marks.**

11.2.4 The continuous internal assessment for the project work will carry 40 **marks** while the End Semester University examination will carry 60 **marks.**

11.3 Industrial Training and Seminar shall carry 100 marks and shall be evaluated through internal assessment only.

11.4 The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

11.5 The University examination for Project Work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

11.6 For the University examination of practical courses including P roject W ork, the internal and external examiners shall be appointed by the Controller of Examinations.

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory, laboratory courses, theory courses with laboratory component and project work the continuous assessment shall be awarded as per the procedure given below:

12.1 THEORY COURSES

Two assessments each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all assessments put together out of 200, shall be proportionately reduced for 40 marks and rounded to the nearest integer (This also implies equal weightage to the two assessments).

Assessment I (100 Marks)		Assessment II (100 Marks)		Total
Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Internal Assessment
40	60	40	60	200*

*The weighted average shall be converted into 40 marks for internal Assessment.

Two internal assessments will be conducted as a part of continuous assessment. Each internal assessment is to be conducted for 100 marks and will have to be distributed in two parts viz., Individual Assignment/Case study/Seminar/Mini project and Test with each having a weightage of 40% and 60% respectively. The tests shall be in written mode. The total internal assessment marks of 200 shall be converted into a maximum of 40 marks and rounded to the nearest integer.

12.2 LABORATORY COURSES

The maximum marks for Internal Assessment shall be 60 marks in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records t o b e maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 60 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be converted into a maximum of 60 marks and rounded to the nearest integer.

Internal Assessment (100 Marks)*	
Evaluation of Laboratory Observation, Record	Test
75	25

* Internal assessment marks shall be converted into 60 marks

12.3 THEORY COURSES WITH LABORATORY COMPONENT

If there is a theory course with laboratory component, there shall be two assessments: the first assessment (maximum mark is 100) will be similar to assessment of theory course and the second assessment (maximum mark is 100) will be similar to assessment of laboratory course respectively. The weightage of first assessment shall be 40 % and the second assessment be 60 %. **The weighted average of these two assessments shall be converted into 50 marks and rounded to the nearest integer.**

Assessment I (40% weightage) (Theory Component)		Assessment II (60% weightage) (Laboratory Component)		Total Internal Assessment
Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Evaluation of Laboratory Observation, Record	Test	
40	60	75	25	200*

*The weighted average shall be converted into 50 marks for internal Assessment.

12.4 PROJECT WORK

The student shall register for Project Work-I in pre-final semester and Project Work-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-II may/may not be a continuation of Project Work-I. If Project Work II is not a continuation of Project Work I, then the topic and constitution of the project team members need not be the same.

12.4.1 Project Work shall be carried out under the supervision of a "qualified teacher" in the Department concerned. In this context "qualified teacher" means the faculty member possessing (i) PG degree or (ii) Ph.D. degree.

12.4.2 The Project Work-II carried out in industry/academic/research institutions need not be a continuation of Project Work-I. In such cases, the Project Work-II shall be jointly supervised by a supervisor of the department and an expert as a joint supervisor from the organization and the student shall be instructed to meet the supervisor periodically and to attend the review committee meetings for evaluating the progress. The review meetings, if necessary, may also be arranged in online mode with prior approval from the Head of the Institution and suitable record of the meetings shall be maintained.

12.4.3 The Head of the Institutions shall constitute a review committee for Project Work for each programme. The review committee consists of supervisor, an expert from the Department and a project coordinator from the Department. If the project coordinator/expert member happens to be the supervisor, then an alternate member shall be nominated. In the case of Industrial Project, the review committee shall have the supervisor, the coordinator from industry and the project coordinator from the Department.

There shall be three reviews during the semesters VII and VIII by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be **reduced for 40 marks** and rounded to the nearest integer (as per the scheme given in 12.4.4).

12.4.4 The project report shall carry a maximum of 20 marks. The project report shall be submitted as per the approved guidelines as given by the Director, Centre for Academic Courses. Same marks shall be awarded to every student within the project group for the project report. The viva-voce examination shall carry 40 marks. Marks are awarded to each student of the project group is based on the individual performance in the viva-voce examination.

Review I	Review II	Review III	End Semester Examinations				
			Project Report		Viva-Voce Examination		
			Internal	External	Internal	External	Supervisor
10	15	15	10	10	10	20	10

12.4.5 The last date for submission of the project report is on the last working day of the semester. If a student fails to submit the project report on or before the specified deadline or the student has submitted the project report but did not appear for the viva-voce examination, it will be considered as fail in the Project Work and the student shall re-register for the same in the subsequent semester.

12.5   OTHER EMPLOYABILITY ENHANCEMENT COURSES

(a) The Seminar / Case Study / Mini Project course is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three member committee appointed by the Head of the Institution, consisting of the course coordinator and two experts from the Department, will evaluate the seminar and at the end of the semester, the marks shall be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).

(b) The Industrial / Practical Training, Summer Project, Internship, shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical Training / Internship / Summer Project, the student shall submit an attendance certificate from the organization where he / she has undergone training and a brief report. The evaluation will be made based on this report and a viva-voce Examination, conducted internally by a three member Departmental Committee constituted by the Head of the Institution consisting of the course coordinator and two experts from the Department. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examinations.

(c) For all the courses under Employability Enhancement Courses Category, except the Project Work, the evaluation shall be done with 100% internal marks and as per the procedure described in clause 12.5 (a) / (b).

12.6   ASSESSMENT FOR VALUE ADDED COURSES

The one / two credit course shall carry 100 marks and shall be evaluated through **continuous assessments only**. Two Assessments as per the clause 12.1 or 12.2 shall be conducted by the Department concerned. The total marks obtained in the assessments shall be reduced to 100 marks and rounded to the nearest integer. A committee consisting of the Head of the Department, staff handling the course and a senior faculty member nominated by the Head of the Institution shall do the evaluation process. The list of students along with the marks and the grades earned shall be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of End Semester Examinations. The grades earned by the students for Value Added Courses will be recorded in the Grade Sheet, however the same shall not be considered for the computation of CGPA.

12.7   ASSESSMENT FOR ONLINE COURSES

Students may be permitted to credit two online courses (which are provided with certificate), subject to a maximum of six credits. **The online course of 3 credits can be considered instead of one elective course**. These online courses shall be chosen from the SWAYAM platform, provided the offering organisation conducts regular examination and provides marks. The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed in the examination as per the norms of the offering organisation. The details regarding online courses taken up by the student and marks/credits earned and the approval for the course from Centre for Academic Courses shall be sent to the Controller of Examinations, Anna University in the subsequent semester(s) along with the details of the elective(s) to be dropped.

12.8.   Internal marks approved by the Head of the Institution shall be displayed by the respective HODs within 5 days from the last working day.

12.9   Attendance Record

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD', which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the Department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the Department will put his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years). The University or any inspection team appointed by the University may verify the records of attendance and assessment of both current and previous semesters.

12.10 Conduct of Academic Audit by every Institution

Every educational institution shall strive for a better performance of the students by conducting the internal assessments as mentioned in Clause 12.

In order to ensure the above, Academic Audit is to be done for every course taught during the semester. For the internal assessments conducted for each course as per details provided in Clause 12, the academic records shall be maintained in the form of documentation for the individual assignments / case study report / report of mini project submitted by each student and assessment test question paper and answer script. Report of industrial training / internship shall also be maintained, if applicable. For laboratory courses students' record shall be maintained. Further, the attendance of all students shall be maintained as a record.

The Head of the Institution shall arrange to conduct the Academic Audit for every course in a semester by forming the respective committees with an external course expert as one of the members drawn from a Technical institution of repute near the institute.

The University or any inspection team appointed by the University may verify the records of Academic Audit report of the courses of both current and previous semesters, as and when required.

13. REQUIREMENTS FOR APPEARING FOR UNIVERSITY EXAMINATIONS

A student shall normally be permitted to appear for the University Examinations for all the courses registered in the current semester (vide clause 6) 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(s) course(s) for the University 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 subject 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 University Examinations] with a minimum of 45% of the marks prescribed for the end-semester University 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 (except electives), the student shall register and appear only for the end semester examination in the subsequent semester. In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the third attempt onwards if a student fails to obtain pass marks (IA + End Semester Examination) as per clause 14.1, then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the University end semester examinations alone.

14.3 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 case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secures a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (IA + End Semester Examination) as per clause 14.1, then the candidate shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the University end semester examinations alone.

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 clause 7 and appear for the end semester examination.

14.4 If a student is absent during the viva - voce examination, it would be considered as fail. If a student fails to secure a pass in Project Work-I, **the student shall register** for the course again in the subsequent semester and can do Project Work-I and II together.

14.5 The passing requirement for the courses which are assessed only through purely internal assessments (EEC courses except Project Work and laboratory), is 50% of the internal assessment (continuous assessment) marks only.

14.6 A student can apply for revaluation of the student's semester examination answer paper in a theory course, as per the guidelines of the COE on payment of a prescribed fee along with prescribed application to the COE through the Head of the Institution. The COE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institution. Revaluation is not permitted for laboratory course and EEC courses.

15. AWARD OF LETTER GRADES

15.1 The award of letter grades will be decided using relative grading principle. The performance of a student will be reported using letter grades, each carrying certain points   as detailed below:

Letter Grade	Grade Points*
O (Outstanding)	10
A + (Excellent)	9
A (Very Good)	8
B + (Good)	7
B (Average)	6
C (Satisfactory)	5
RA (Re-appearance)	0
SA (Shortage of Attendance)	0
W (Withdrawal)	0

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+","B", "C".

'SA' denotes shortage of attendance (as per clause 7.3) and hence prevented from writing the end semester examinations. 'SA' will appear only in the result sheet.

"RA" denotes that the student has failed to pass in that course. "**W**" denotes **withdrawal** from the exam for the particular course. The grades RA and W will figure both in the Grade Sheet as well as in the Result Sheet. In both cases, the student has to appear for the End Semester Examinations as per the Regulations.

If the grade RA is given to **Theory Courses/ Laboratory Courses it is not required to satisfy the** attendance requirements (vide clause 7), but has to appear for the end semester examination and fulfil the norms specified in clause 14 to earn a pass in the respective courses.

If the grade RA is given to **EEC course (except Project Work), which are evaluated only through internal assessment,** the student shall register for the course again in the subsequent semester, fulfil the norms as specified in clause 14 to earn pass in the course. However, attendance requirement need not be satisfied.

15.2 For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC / Science club / Literary Club/ Fine Arts Club, a 'completed' remark will appear in the Grade Sheet on successful completion of the same. Every student shall put in a minimum of 75% attendance in the training and attend the camp or events of the clubs compulsorily. The training and camp or club events shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the subsequent years. **Successful completion of any one of the above co-curricular activities is compulsory for the award of degree.**

15.3 The grades O, A+, A, B+, B, C obtained for the one/two credit course (not the part of curriculum) shall figure in the Grade Sheet under the title **'Value Added Courses/Internship/Industrial training'**. The courses for which the grades obtained are RA, SA **will not figure in the Grade Sheet.**

15.4 For the students who complete the Audit Course satisfying attendance requirement, the title of the Audit Course will be mentioned in the Grade Sheet. If the attendance requirement is not satisfied, it will not be shown in the **Grade Sheet.**

15.5 **GRADE SHEET**

After results are declared, Grade Sheets will be issued to each student which will contain the following details:
- The college in which the student has studied
- The list of courses registered during the semester and the grade scored.
- The Grade Point Average (GPA) for the semester and
- The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits acquired for courses and the corresponding points to the sum of the number of credits acquired for the courses in the semester. CGPA will be calculated in a similar manner, considering all the courses registered from first semester. RA grades will be excluded for calculating GPA and CGPA.

$$GPA / CGPA = \frac{\sum_{i=1}^{n} C_i\, GP_i}{\sum_{i=1}^{n} C_i}$$

where C_i is the number of Credits assigned to the course

GP_i is the point corresponding to the grade obtained for each course

n is number of all courses successfully cleared during the particular semester 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. Degree provided the student has

i. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.

ii. Successfully completed the course requirements, appeared for the End - Semester examinations and passed all the subjects within the period as prescribed in clause 5.1 and 5.1.1.

iii. Successfully passed any additional courses prescribed by the Director, Centre for Academic Courses whenever the student is readmitted under Regulations R-2021 from the earlier Regulations.

iv. Successfully completed the NCC / NSS / NSO / YRC / Science Club / Literature Club / Fine Arts Club requirements.

v. No disciplinary action pending against the student.

vi. The award of Degree must have been approved by the Syndicate of the University.

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 the examination in **First class with Distinction:**

- Should have passed the examination in all the courses of all the eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) in the student's First Appearance within **five** years (Six years in the case of Mechanical (Sandwich) and Four years in the case of Lateral Entry). Withdrawal from examination (vide Clause 17) will not be considered as an appearance.
- Should have secured a CGPA of not less than **8.50**.
- One year authorized break of study (if availed of) is included in the five years (Six years in the case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class with Distinction.
- Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.

16.2.2 **FIRST CLASS:**

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

- Should have passed the examination in all the courses of all eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) **within five years**. (Six years in case of Mechanical (Sandwich) 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 (Six years in case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class.
- Should have secured a CGPA of not less than **6.50.**

16.2.3 **SECOND CLASS:**

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 end 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).

16.4 Photocopy / Revaluation

A student can apply for photocopy of his/her semester examination answer paper in a theory course, as per the guidelines of the COE, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Institutions. The answer script is to be valued and justified by a faculty member, who has handled the subject and recommend for revaluation with t h e breakup of marks for each question. Based on the recommendation, the student can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institutions. Revaluation is not permitted for practical courses and EEC courses.

A student can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

16.5 Review

Students not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Institution.

Students applying for Revaluation only are eligible to apply for Review.

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 Chairman, Sports Board and the HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in **ANY ONE** of the semester examinations during the entire duration of the degree programme. The application shall be sent to the COE through the Head of the Institutions with required documents.

17.2 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 Institution and approved by the Controller of Examinations. 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.

17.3 In case of withdrawal from a course / courses, the courses will figure both in the Grade Sheet as well as in the Result Sheet. However, withdrawal shall not be considered as an appearance for the eligibility of a student for First Class with Distinction.

17.4 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 30/60 days after the declaration of results for Project Work I and II respectively and the same shall not be considered as reappearance.

17.6 Withdrawal is permitted for the end semester examinations in the final semester, as per clause 16.2.1.

18. PROVISION FOR AUTHORISED BREAK OF STUDY

18.1 A student is permitted to go on authorised 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 any, as notified by the Centre for Academic Courses under change of Regulations. 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 Clause 16.2).

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 clause 5.1 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 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 authorised break of study for one year. The student shall join the job / start-up / entrepreneurship only after getting approval of the same by the Director, Centre for Academic Courses with due proof to that effect.

18.8   No fee is applicable to students during the Break of Study period.

19.   DISCIPLINE

19.1   Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. The Head of the Institution shall constitute a disciplinary committee consisting of the Head of the Institution, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the University about the disciplinary action recommended for approval. In case of any serious disciplinary action which leads to suspension or dismissal, then a committee shall be constituted including one representative from Anna University, Chennai. In this regard, the member will be nominated by the University on getting information from the Head of the Institution.

19.2   If a student indulges in malpractice in any of the University / internal examination he / she shall be liable for punitive action as prescribed by the University from time to time.

20.   REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The University may from time to time revise, amend or change the Regulations, curriculum, syllabus and scheme of examinations through the Academic Council with the approval of the Syndicate.

PERI INSTITUTE OF TECHNOLOGY
IQAC ACADEMIC CALENDER 2022-23 ODD SEMESTER

JULY				AUGUST			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Fri			1	Mon	IQAC Academic Verification	
2	Sat			2	Tue	Common Mentor Meeting -1	
3	Sun			3	Wed	SWA/ IE - Meeting -1	
4	Mon			4	Thu	Sports - Committee Meeting	
5	Tue			5	Fri	R&D Common Meeting -2	
6	Wed			6	Sat		
7	Thu			7	Sun		
8	Fri			8	Mon		
9	Sat			9	Tue	Holiday - Moharam	
10	Sun			10	Wed	Reopening For III,V and VII th Sem	1
11	Mon	End Semester feed back week		11	Thu	Class Committee Week	2
12	Tue	Skill development Meeting -1		12	Fri	EDC Meeting -2/CHS Meeting 2	3
13	Wed			13	Sat	IIC Meeting - 2	4
14	Thu			14	Sun		
15	Fri			15	Mon	Holiday - Independence day	
16	Sat			16	Tue	IQAC Meeting	5
17	Sun			17	Wed	Zeroth Review report	6
18	Mon	CHS - Meeting 1		18	Thu	ECE Association inagural	7
19	Tue			19	Fri	Holiday - Gokulastami	8
20	Wed			20	Sat		9
21	Thu	IQAC Meeting -1		21	Sun		
22	Fri	R&D Common Meeting -1		22	Mon	Skill development Meeting -3	10
23	Sat			23	Tue	Mechanical Association inagural	11
24	Sun			24	Wed		12
25	Mon	Governing Council meeting/IQAC Audit week		25	Thu		13
26	Tue	Skill development Meeting -2		26	Fri	CSE Association Inagural/EDC Meeting - 2	14
27	Wed	IIC Meeting - 1		27	Sat	R&D Common Meeting -3	15
28	Thu			28	Sun		
29	Fri	EDC Meeting -1		29	Mon	Class Committee Week/CAT Coordinator meeting	16
30	Sat			30	Tue	EEE Association inagural	17
				31	Wed	Holiday - Vinayaar Sathurthi	

SEPTEMBER				OCTOBER			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Thu	CHS - Meeting 3	18	1	Sat		42
2	Fri	Civil Association inagural	19	2	Sun		
3	Sat	Teachers Day Celebration/Mentor Meeting - 2		3	Mon		
4	Sun			4	Tue	Holiday - Saraswathi pooja	
5	Mon		20	5	Wed	Hoiday - Vijaya Dhasami	
6	Tue	IIC Meeting - 3	21	6	Thu		43
7	Wed	First Review report	22	7	Fri		44
8	Thu	Skill development Meeting -4	23	8	Sat	Second Review report	45
9	Fri	EDC Meeting -3	24	9	Sun		
10	Sat	R&D Common Meeting -4	25	10	Mon		46
11	Sun			11	Tue		47
12	Mon	Commencement of CAT 1 Exam-2nd,3rd&4th year	26	12	Wed		48
13	Tue		27	13	Thu		49
14	Wed		28	14	Fri		50
15	Thu		29	15	Sat	R&D Common Meeting -6	51
16	Fri		30	16	Sun		
17	Sat	Mid- Sem feed back week		17	Mon	Class Committee Week	52
18	Sun			18	Tue	IIC Meeting - 5	53
19	Mon		31	19	Wed		54
20	Tue		32	20	Thu		55
21	Wed		33	21	Fri		56
22	Thu		34	22	Sat	Mentor Meeting -3	
23	Fri		35	23	Sun		
24	Sat	R&D Common Meeting -5	36	24	Mon	Holiday - Deepavali	
25	Sun			25	Tue	Holiday - Deepavali	
26	Mon	Class Committee Week	37	26	Wed		57
27	Tue		38	27	Thu		58
28	Wed		39	28	Fri		59
29	Thu		40	29	Sat		60
30	Fri	IIC Meeting - 4	41	30	Sun		
				31	Mon		61

NOVEMBER				DECEMBER			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Tue		62	1	Thu		
2	Wed		63	2	Fri		
3	Thu		64	3	Sat		
4	Fri		65	4	Sun		
5	Sat	R&D Common Meeting -7	66	5	Mon		
6	Sun			6	Tue		
7	Mon	Commencement of CAT 2 Exam-3rd&4th year	67	7	Wed		
8	Tue		68	8	Thu	Commencement of Coaching and Model-Second year	
9	Wed		69	9	Fri		
10	Thu		70	10	Sat		
11	Fri		71	11	Sun		
12	Sat		72	12	Mon		
13	Sun			13	Tue		
14	Mon		73	14	Wed		
15	Tue		74	15	Thu	Commencement of CAT 1 Exam-First year	
16	Wed		75	16	Fri		
17	Thu		76	17	Sat		
18	Fri	CAT Coordinator Meeting	77	18	Sun		
19	Sat			19	Mon		
20	Sun			20	Tue		
21	Mon	Commencement of CAT 2 Exam-First year	78	21	Wed		
22	Tue		79	22	Thu		
23	Wed		80	23	Fri		
24	Thu			24	Sat		
25	Fri			25	Sun		
26	Sat			26	Mon		
27	Sun			27	Tue	Third Review report	
28	Mon	Commencement of Model Exam -3rd&4th year		28	Wed	Commencement of Coaching and Model-First year	
29	Tue			29	Thu		
30	Wed			30	Fri		
				31	sat		

IQAC COORDINATOR

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COURSE ALLOTMENT-ODD SEM(2022-23)

S.No	Name of the staff	Theory /Lab handling	Year/Sem	No.Of Courses	Sign
1	Dr.T.Saravanan	CP4154/Principles of Programming Language	I/I/ME	2	
		CS8792/Cryptography and Network Security	IV/VII/B		
2	Dr.C.Suresh Kumar	CS8501/Theory of Computation	III/V/A		
		CP4152/Database Practices	I/I/ME	1+1	
3	Dr.S.Prabhakaran	RM4151/Research Methodologies and IPR	I/I/ME		
		CP4391/Security Practices	I/III/ME	2+1	
4	Dr.Prashanth	CS8792/Cryptography and Network Security	IV/VII/A		
		CP4151/Advanced Datastructures	I/I/ME		
		CP4161/Advanced Data Structures and Algorithms Laboratory	I/I/ME		
		CS8582/OOAD Lab	III/V/A	2+1	
5	Dr.Gajendran	CP4153/Network Technologies	I/I/ME		
		CS8592/Object Oriented Analysis and Design	III/V/B	2	
6	Ms.K.Varalakshmi	CS3391/Object Oriented Programming	II/III/A		
		CS3391/Object Oriented Programming	II/III/B		
		CS3381/Object Oriented Programming Lab	II/III/A		
		Project	II/III/ME	2+2	
7	Mr.A.Vijayanarayanan	CS8501/Theory of Computation	III/V/B		
		CS8079/Human Computer Interaction	IV/VII/A		
		CS8581/OOAD Lab	III/V/B	2+1	
8	Mr.S.S.Vasantharaja	OBM752/Hospital Management	IV/VII/B		
		OBA433/Intellectual Property Rights	II/III/ME		
		CS8581/Networks Lab	III/V/A	2+1	
9	Mrs.J.Jayaprabha	CS8592/Object Oriented Analysis and Design	III/V/A		
		CS8591/Computer Networks	III/V/B		
		CS8581/Networks Lab	III/V/B	2+1	
10	Mrs.Renuka	CS8591/Computer Networks	III/V/A		
		MG8591/Principles of management	IV/VII/B		
		CS8381/Object Oriented Programming Lab	II/III/B	2+1	
11	MS.R.S.Abbirami	CS3352/Foundations of Data Science	II/III/A		
		CS3361/Data Science lab	II/III/A		
		MP4094/Web Services and API Design	I/III/ME		
		IT8761/Security Lab	IV/VII/B	2+2	
12	Ms.M.Divya	MG8591/Principles of management	IV/VII/A		
		MP4292/Mobile Application Development	II/III/ME	2	
13	Ms.S.Jonisha	CS3301/Data Structures	II/III/A		
		CS3311/Data Structures Lab	II/III/A		
		GE8151/Problem Solving and Python Programming	I/I/CSE A		
		GE8161/Problem Solving and Python Programming Lab	I/I/CSE A	2+2	
14	Mr.Karthikeyan	OCE552/Geographical Information Systems	III/V/B		
		OBM752/Hospital Management	IV/VII/A		
		IT8711/ Security Lab	IV/VII/A	2+1	
15	Ms. Savithri	CS8791/Cloud Computing	IV/VII/A		
		CS8711/Cloud Computing Lab	IV/VII/A		
		CS3301/Data Structures	II/III/B		
		CS3361/Data Structures Lab	II/III/B	2+2	
16	Mr.Noble Lourdhu Raj	CS8079/ Human Computer Interaction	IV/VII/B		
		CS3353/C programming and Data Structures	II/III/EEE		
		CS3362/C programming and Data Structures Lab	II/III/EEE		
		CS8711/Cloud Computing Lab	IV/VII/B	2+2	
17	Ms.Deepika	CS3353/C programming and Data Structures	II/III/ECE		
		CS3362/C programming and Data Structures Lab	II/III/ECE		
		CS8392/Object Oriented Programming	III/V/EEE		
		CS8383/Object Oriented Programing Lab	III/V/EEE	2+2	
18	Ms.P.Lekha	CS3352/Foundations of Data Science	II/III/B		
		CS3361/Data Science lab	II/III/B		
		GE8151/Problem Solving and Python Programming	I/I/ECE	2+1	
19	Ms.Vimala Devi	CS8711/Cloud Computing	IV/VII/B		
		GE8151/Problem Solving and Python Programming	I/I/MECH/CIVIL		
		GE8151/Problem Solving and Python Programming Lab	I/I/MECH/CIVIL		
		GE8161/Problem Solving and Python Programming Lab	I/I/ECE	2+2	
20	Ms. T.Bersikin Libina	GE8151/Problem Solving and Python Programming	I/I/CSE B		
		GE8161/Problem Solving and Python Programming Lab	I/I/CSE B		
		GE8151/Problem Solving and Python Programming	I/I EEE/AI&DS		
		GE8161/Problem Solving and Python Programming Lab	I/I EEE/AI&DS	2+2	
21	Mrs.Arul Sandana Rani	OCS752/Introduction to C Programming	IV/EEE		
		OCE552/ Geographical Information Systems	III/V/A	2	

HOD/CSE   Principal

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TIME TABLE ACADEMIC YEAR 2022– 2023 (ODD SEMESTER)

Year / Sem: II / III   Section: A   Room No:BT-9   W.E. F:10/8/2022

Days / Hour	1 8:30-9:15	2 9:15-10:00		3 10:15-11:00	4 11:00-11:45		5 12:30-1:15	6 1:15-2:00		7 2:10-2:55	8 2:55-3:40
Monday	CS3301/DS	CS3301/DS	BREAK (10.00 – 10:15)	MA3354/DM	CS3351/DPCO	BREAK (11.45 – 12:30)	<-CS3361 FDS/CS3311 DS LAB->		BREAK (2.00 – 2:10)	<-CS3361 FDS/CS3311 DS LAB->	
Tuesday	MA3354/DM	MA3354/DM		CS3351/DPCO	CS3301/DS		<-CS3381 OOPS/ CS3361 FDS LAB→			<-CS3381 OOPS/ CS3361 FDS LAB→	
Wednesday	CS3352/FDS	CS3391/OOPS		<-CS3311 DS/CS3381 OOPS LAB→			MA3354/DM	CS3301/DS		CS3352/FDS	Skill/Mentor /Library
Thursday	CS3391/OOPS	CS3352/FDS		CS3301/DS	CS3352/FDS		CS3351/DPCO	CS3391/ OOPS		MA3354/DM	Objective Test
Friday	CS3351/DPCO	CS3391/OOPS		<- Professional Development ->			CS3351/DPCO	CS3301/DS		<-CS3311 DS/CS338 OOPS LAB→	

S. No.	Subject Code	Subject Name	Name of the Faculty	Dept.	No. of Hours
1.	MA3354	Discrete Mathematics	Ms.Lakshmi Priya	S & H	5
2.	CS3351	Digital Principles and Computer Organization	Mr. Dinesh Kumar	ECE	5
3.	CS3352	Foundations of Data Science	Ms. R.S.Abbirami	CSE	4
4.	CS3301	Data Structures	Ms. Jonisha	CSE	6
5.	CS3391	Object Oriented Programming	Ms. Varalakshmi	CSE	4
Laboratories					
6.	CS3311	Data Structures Lab	Ms. Jonisha	CSE	3
7.	CS3381	OOPS Lab	Ms.Varalakshmi	CSE	3
8.	CS3361	Data Science Lab	Ms. R.S.Abbirami	CSE	3
9.	GE3361	Professional Development	Ms.Pooja	ENGLISH	2
10.		Skill Development/Mentor/Library	Department Faculties	CSE	1
11.		Objective type test	Department Faculties	CSE	1

Class Incharge: Ms. Jonisha

Time Table Coordinator   HOD – CSE   Principal

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Department of Computer Science and Engineering

Degree and Programme		B.E/ CSE	
Semester		III	
Course Code and Course:		CS3352/ Foundations of Data Science	
Core / Elective:		Core	
L T P C	3 0 0 3	No. of Credits:	3
Date of commencement:		10.08.2022	
Faculty Incharge:		Mrs.R.S.Abbirami	

Definition:

Foundations Of Data science is an interdisciplinary field focused on extracting knowledge from typically large data sets and applying the knowledge and insights from that data to solve problems in a wide range of application domains.

Course objective:

· To understand the data science fundamentals and process.

· To learn to describe the data for the data science process.

· To learn to describe the relationship between data.

· To utilize the Python libraries for Data Wrangling.

· To present and interpret data using visualization libraries in Python
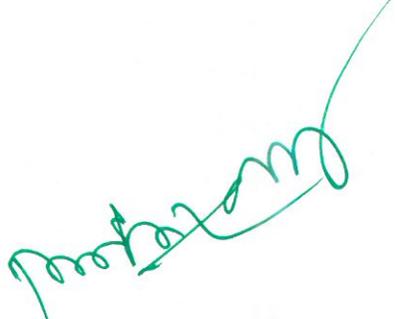
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<u>SYLLABUS</u>

CS3352 FOUNDATIONS OF DATA SCIENCE

LTPC3003

UNIT I INTRODUCTION

9

Data Science: Benefits and uses – facets of data - Data Science Process: Overview – Defining research goals – Retrieving data – Data preparation - Exploratory Data analysis – build the model– presenting findings and building applications - Data Mining - Data Warehousing – Basic Statistical descriptions of Data

UNIT II DESCRIBING DATA

9

Types of Data - Types of Variables -Describing Data with Tables and Graphs –Describing Data with Averages - Describing Variability - Normal Distributions and Standard (z) Scores

UNIT III DESCRIBING RELATIONSHIPS

9

Correlation –Scatter plots –correlation coefficient for quantitative data –computational formula for correlation coefficient – Regression –regression line –least squares regression line – Standard error of estimate – interpretation of R1 –multiple regression equations –regression towards the mean

UNIT IV PYTHON LIBRARIES FOR DATA WRANGLING

9

Basics of Numpy arrays –aggregations –computations on arrays –comparisons, masks, boolean logic – fancy indexing – structured arrays – Data manipulation with Pandas – data indexing and selection – operating on data – missing data – Hierarchical indexing – combining datasets – aggregation and grouping – pivot tables

UNIT V DATA VISUALIZATION

9

Importing Matplotlib – Line plots – Scatter plots – visualizing errors – density and contour plots – Histograms – legends – colors – subplots – text and annotation – customization – three dimensional plotting - Geographic Data with Basemap - Visualization with Seaborn.
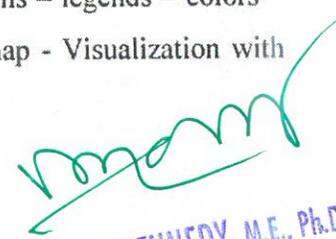
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TEXT BOOKS

1. David Cielen, Arno D. B. Meysman, and Mohamed Ali, "Introducing Data Science", Manning Publications, 2016. (Unit I)
2. Robert S. Witte and John S. Witte, "Statistics", Eleventh Edition, Wiley Publications, 2017. (Units II and III)
3. Jake VanderPlas, "Python Data Science Handbook", O'Reilly, 2016. (Units IV and V)
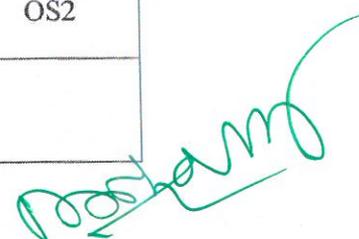
REFERENCES:

1. Allen B. Downey, "Think Stats: Exploratory Data Analysis in Python", Green Tea Press,2014.

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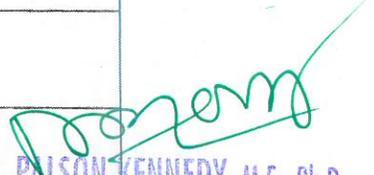PERI INSTITUTE OF TECHNOLOGY
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S. No	Topic to be Covered	Proposed Date	Actual Date	Cognitive Level	Use Of Teaching Tool	Teaching Methodology	Reference Material	Remarks
				UNIT: I- INTRODUCTION				
1.	Data Science- Benefits and uses	10.08.22	10/8/22	Understand	BB	Lecturer	T1,R1	
2.	Facets of data	11.08.22	11/8/22	Remember	Visual Aids	Lecturer with Demonstration	T1,R1	OS1
3.	Data Science Process: Overview – Defining research goals	12.08.22	12/8/22	Understand	Visual Aids	Lecturer with Demonstration	T1,R1	Guest Lecture
4.	Retrieving data	13.08.22	13/8/22	Apply	BB	Lecture	T1,R1	
5.	Data preparation	16.08.22	16/8/22	Remember	BB	Lecture	T1,R1	
6.	Exploratory Data analysis	17.08.22	17/8/22	Analysis	BB	Lecture	T1,R1	
7.	Build the model– presenting findings and building applications	18.08.22	18/8/22	Apply	Visual Aids	Lecturer with Demonstration	T1,R1	Explained using ppt
8.	Data Mining - Data Warehousing	20.08.22	22/8/22	Understand	Visual Aids	Youtube Videos	T1,R1	OS2
9.	Basic Statistical descriptions of Data	22.08.22	23/8/22	Apply	BB/PPT	Tutorial	T1,R1	

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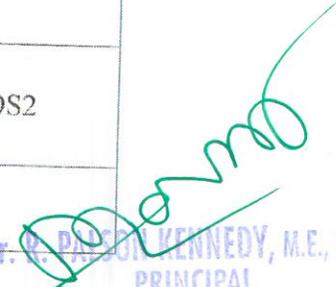PERI INSTITUTE OF TECHNOLOGY
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S. No	Topic to be Covered	Proposed Date	Actual Date	Cognitive Level	Use Of Teaching Tool	Teaching Methodology	Reference Material	Remarks
UNIT: 2- DESCRIBING DATA								
10.	Types of Data	23.08.22	24|8|22	Knowledge	Visual Aids	Lecturer with Demonstration	T2	
11.	Types of Variables	24.08.22	25|8|22	Remember	BB	Tutorial	R1	
12.	Frequency Distributions	25.08.22	26|8|22	Apply	BB	Lecture	T1,R1	
13.	Describing Data with Tables and Graphs	26.08.22	27|8|22	Apply	Visual Aids	Lecturer with Demonstration	R1	Explained using ppt
14.	Describing Data with Tables and Graphs-Quantitative Data	27.08.22	29|8|22	Apply	Visual Aids	Lecturer with Demonstration	T2,R1	Explained using ppt
15.	Describing Data with Tables and Graphs-Qualitative Data	29.08.22	30|8|22	Apply	BB	Lecture	T1,R1	
16.	Describing Data with Averages	30.08.22	01|9|22	Apply	BB	Tutorial	R1	
17.	Describing Variability	01.09.22	02|09|22	Analyse	BB	Lecture	T2,R1	
18.	Normal Distributions and Standard (z) Scores	02.09.22	07|09|22	Apply	BB	Tutorial	T1,R1	Explained using ppt
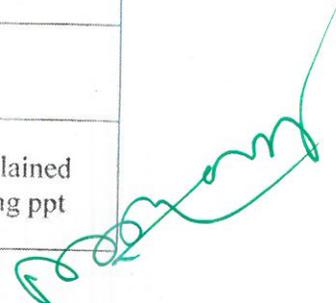
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S. No	Topic to be Covered	Proposed Date	Actual Date	Cognitive Level	Use Of Teaching Tool	Teaching Methodology	Reference Material	Remarks
UNIT: 3- DESCRIBING RELATIONSHIPS								
19.	Correlation	03.09.22	08/9/22	Understand	Visual Aids	Lecturer with Demonstration	T2,R1	
20.	Scatter plots correlation coefficient for quantitative data	05.09.22	10/9/22	Understand	Visual Aids	Lecturer with Demonstration	T2,R1	OS3
21.	Computational formula for correlation coefficient	07.09.22	20/9/22	Apply	BB	Lecture	T2,R1	Assignment
22.	Computational formula for correlation coefficient - Problems	08.09.22	21/9/22	Apply	BB	Lecture	T2,R1	
23.	Regression regression line	08.09.22	23/9/22	Understand	BB	Lecture	T2,R1	
24.	Least squares regression line	10.09.22	23/9/22	Understand	BB	Lecture	T2,R1	
25.	Standard error of estimate	12.09.22	24/9/22	Apply	Visual Aids	Lecturer with Demonstration	T2,R1	Explained using ppt
26.	Interpretation of R1	13.09.22	28/9/22	Analyse	BB	Lecture	T2,R1	
27.	Multiple regression equations – Regression towards the mean	14.09.22	29/9/22	Understand	BB/PPT	Tutorial	T2,R1	

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S. No	Topic to be Covered	Proposed Date	Actual Date	Cognitive Level	Use Of Teaching Tool	Teaching Methodology	Reference Material	Remarks
UNIT IV PYTHON LIBRARIES FOR DATA WRANGLING								
28.	Basics of Numpy arrays	15.09.22	30|9|22	Knowledge	BB	Lecturer	T3	
29.	Computations on arrays Universal functions, Aggregations	17.09.22	6|10|22	Remember	BB	Lecturer	T3	
30.	Computations on arrays	20.09.22	7|10|22	Apply	PPT	Lecturer with Demonstration	T3	Assignment
31.	Comparisons, masks, boolean logic	21.09.22	8|10|22	Apply	BB	Peer discussions	T3	
32.	Fancy indexing – Structured arrays	23.09.22	10|10|22	Apply	BB	Lecturer	T3	
33.	Data manipulation with Pandas, Data indexing and selection operating on data	23.08.22	11|10|22	Apply	BB	Lecturer	T3	
34.	Missing data – Hierarchical indexing	24.08.22	12|10|22	Apply	BB	Lecturer	T3	
35.	Combining datasets –aggregation and grouping	28.09.22	13|10|22	Apply	Visual Aids	Lecturer with Demonstration	T3,R1	OS2
36.	Pivot tables	29.09.22	14|10|22	Apply	BB	Lecturer	T2,R1	

S. No	Topic to be Covered	Proposed Date	Actual Date	Cognitive Level	Use Of Teaching Tool	Teaching Methodology	Reference Material	Remarks
				UNIT V DATA VISUALIZATION				
37.	Importing Matplotlib	03.10.22	19/10/22	Understand	Visual Aids	Lecture with demonstration	T3	Guest Lecture
38.	Line plots – Scatter plots	06.10.22	20/10/22	Understand	Visual Aids	Lecture with demonstration	T3	OS3
39.	Visualizing errors	07.10.22	21/10/22	Analyse	BB	Lecture	T3	
40.	Density and contour plots	08.10.22	27/10/22	Apply	BB	Lecture	T3	
41.	Histograms – legends – colors – subplots	10.10.22	28/10/22	Understand	PPT	Tutorial	T3,R1	
42.	Text and annotation – customization	11.10.22	31/10/22	Analyse	BB	Lecture	T3	
43.	Three dimensional plotting	12.10.22	01/11/22	Apply	BB	Lecture	T3	
44.	Geographic Data with Basemap	13.10.22	02/11/22	Apply	Visual Aids	Lecture with demonstration	T3	OS4
45.	Visualization with Seaborn.	14.10.22	08/11/22	Apply	BB	Lecture	T3	

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Guest Lecture:

Date	Topics	Resource Person with Designation	Mapped with PO's and PSO's
02/09/2022	Data Science Using Python	G. Mohan Shankar Project Engineer Pantech Solutions Chennai	PO3, PO5

Content Beyond Syllabus:

S. No	Unit	Topic to be Covered	Mapped with PO's and PSO's
1	IV	R Tool	PO5,PSO1
2	V	WEKA Tool	PO5,PSO1

Open Source:

OS1- https://youtu.be/omwtLyaJIW4

OS2-https://youtu.be/txMdrV1Ut64
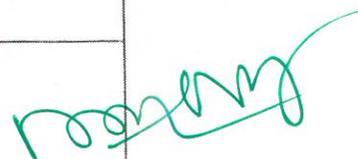
OS3- https://youtu.be/tmrXuom85TY

OS4-https://youtu.be/goFY_W7T0z4

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Mapping of Course Outcomes with Program Outcomes

Course Code & Name:		Program Outcomes											
Course Outcomes / Program Outcomes													
		1	2	3	4	5	6	7	8	9	10	11	12
CO1:	Define the data science process	1	2	2	1	2	1	1	-	1	1	1	-
CO2:	Understand different types of data description for data science process	1	1	2	1	2	1	-	1	2	1	1	-
CO3:	Gain knowledge on relationships between data	1	2	1	1	2	2	1	2	-	1	1	-
CO4:	Use the Python Libraries for Data Wrangling	2	2	1	2	2	2	1	-	2	1	1	-
CO5:	Apply visualization Libraries in Python to interpret and explore data	2	2	1	2	2	2	1	-	-	1	-	1

| Program Outcomes:	
PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems	
PO2:Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	
PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	
PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	

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PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	
PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	
PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	
PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	
PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	
PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	
PO11:Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	
PO12:Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	

3: Strongly agree	2: Agree	1: Weakly agree	0 : Do not agree

Staff Incharge

HOD/CSE
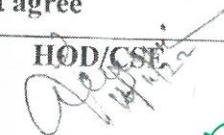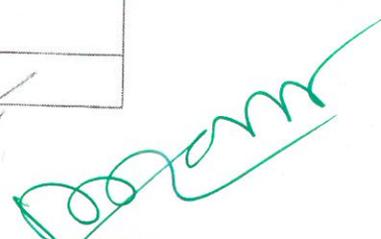
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Course Outcomes

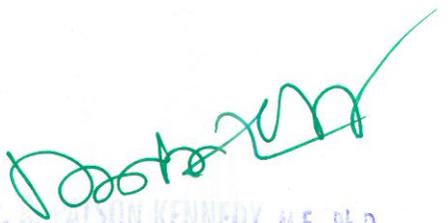At the end of this course, the students will be able to:

CO1: Define the data science process

CO2: Understand different types of data description for data science process

CO3: Gain knowledge on relationships between data

CO4: Use the Python Libraries for Data Wrangling

CO5: Apply visualization Libraries in Python to interpret and explore data

ODD SEMESTER 2022 – 2023
Class Committee Meeting Circular

Date: 19.10.2022

Batch: B.E CSE (2021 – 2025) **Year/Sem/Sec: II/ III / 'A'**

Chairperson: Mrs.G.S.Gayathri **H.O.D – Mrs.K.Varalakshmi**

The Second class committee meeting for II year CSE 'A' for the academic year 2022-2023 (Odd semester) will be held on 20.10.22 at 11.00 pm in Lab 3 in the presence of HOD of CSE, subject handling faculty members and selected students. All the members are requested to attend the meeting to improve the effectiveness of teaching-learning process.

Subject Handling Faculty Members:

Sl.No	Subject Code	Subject Name	Staff Name	Signature
1	MA3354	Discrete Mathematic	Ms.Lakshmi Priya	M. ☓ 1/10/22
2	CS3352	Digital Principles and Computer Organization	Dr.R.Dinesh Kumar	Dr.R Dinesh 19/10/22
3	CS3353	Foundations of Data Science	Ms. R.S Abbirami	21/10
4	CS3351	Data Structures	Ms.S. Jonisha	21/10/22
5	CS3391	Object Oriented Programming	Ms. K.Varalakshmi	21/10
6	CS3353	Foundations of Data Science Lab	Mrs. R.S.Abbirami	21/10
7	CS3311	Data Structures Lab	Mrs. S. Jonisha	21/10
8	CS3381	Object Oriented Programming Lab	Mr. V.Dharma Prakash	V.☓ 21/10/22

Student Members

S.No	Student Name	Signature
1	Karthiga.E	E.Karthika
2	Keerthika.M	M.Keerthika 21/10/22
3	Gowsalya.D	D.☓ 21/10/22
4	Karthikeyan.N	☓ 21/10/22
5	Jitto.M	M.Jitto 21/10/22
6	Adnan Mohammed	Adna 21/10/22

Chairperson 21/10/22

HOD-CSE

Batch: B.E CSE (2021 – 2025)
Chairperson: Mrs.G.S.Gayathri

Year/Sem/Sec: II/ III / 'A'
H.O.D – Mrs.K.Varalakshmi

Attendance sheet for the Class committee meeting held on 20.10.2022 at 2pm

Staff Members:

Sl.No	Staff Name	Signature
1	Ms.Lakshmi Priya	m. ꟷ 21/10/22
2	Dr.R.Dinesh Kumar	Dr.R.Dinesh 21/10/22
3	Ms R.S.Abbirami	21/10
4	Ms.S.Jonisha	21/10/22
5	Ms. K.Varalakshmi	21/10

Student Members

S.No	Student Name	Signature
1	Karthiga.E	E. Karthika
2	Keerthika.M	M. keerthika 21/10/22
3	Gowsalya.D	D.Yoj. 21/10/22
4	Karthikeyan.N	Karl- 21/10/22
5	Jitto.M	M.Jitto 21/10/22
6	Adnan Mohammed	Adnan 21/10/22

21/10/22
Chairperson

HOD-CSE

Batch: B.E CSE (2021 – 2025) **Year/Sem/Sec: II/ III / 'A'**
Chairperson: Mrs.G.S.Gayathri **H.O.D – Mrs.K.Varalakshmi**

Syllabus Completion

Sl.No	Subject Code	Subject Name	Completion Status
1	MA3354	Discrete Mathematic	Completed 1- 3 Units Completed 90% of Unit 4
2	CS3352	Digital Principles and Computer Organization	Completed 1- 3 Units Completed 50% of Unit 4
3	CS3353	Foundations of Data Science	Completed 1- 3 Units Completed 50% of Unit 4
4	CS3351	Data Structures	Completed 1- 4 Units
5	CS3391	Object Oriented Programming	Completed 1- 3 Units Completed 50% of Unit 4

The following points were discussed during the Class Committee Meeting for
II CSE A Held on 20.10.2022 at 12.50 pm

S.No	Points Discussed	Action Taken
	Subjects	
1	Discrete Mathematic - Students requested to explain the Math Problems in the board.	Has been conveyed to the HOD. Will be assigned.
2	Digital Principles and Computer Organization	Satisfied with the teaching methods and staff.
3	Foundations of Data Science	Satisfied with the teaching methods and staff. Conveyed to staff
5	Data Structures - Student requested for revision.	Conveyed to staff. Time table scheduled for the revision classes
6	Object Oriented Programming - Student requested for revision.	Conveyed to staff. Time table scheduled for the revision classes
	General	
7	Discussed regarding marks obtained in the CAT 1 exam and the importance of writing assignments.	
8	Increasing class Attendance percentage. Advised to attend classes regularly and improve attendance percentage and also not to come late	
9	Discipline - Advised students to maintain discipline inside college campus and classrooms and to avoid creating unwanted problems.	
10	Dress code - Advised students to follow proper dress code.	
11	Advised students to utilize the lab hours properly in upgrading their programming knowledge.	
12	Discussed about Nan Mudhalvan Scheme and the courses provided	
13	Students requested to repair the rooftop water leakage problem and provide drinking water in the 3rd floor.	
14	Students requested to cover the window to avoid the sun shade and washroom issues of cleaning.	

21/10/22

Chairperson

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CAT – I Time Table – September 2022

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
12.09.2022 (Monday)	MA3354 – Discrete Mathematics	CS3301 – Data Structures	OCE552– Geographic Information System	CS8592 – Object Oriented Analysis and Design	CS8079 – Human computer Interaction	OBM752 – Hospital Management
13.09.2022 (Tuesday)	CS3301 – Data Structures	CS3391 – Object Oriented Programming	CS8592 – Object Oriented Analysis and Design	EC8691 – Microprocessors and Microcontrollers	OBM752 – Hospital Management	CS8792 – Cryptography and Network Security
14.09.2022 (Wednesday)	CS3352 – Foundations of Data Science	MA3354 – Discrete Mathematics	EC8691 – Microprocessors and Microcontrollers	CS8501 – Theory of Computation	CS8792 – Cryptography and Network Security	MG8591 -- Principles of Management
15.09.2022 (Thursday)	CS3351– Digital Principles and Computer Organization	CS3352 – Foundations of Data Science	CS8501 – Theory of Computation	CS8591 – Computer Networks	MG8591- Principles of Management	CS8791-- Cloud Computing
16.09.2022 (Friday)	CS3391 – Object Oriented Programming	CS3351– Digital Principles and Computer Organization	MA8551 – Algebra and Number Theory	OCE552– Geographic Information System	CS8791-- Cloud Computing	CS8079 – Human computer Interaction
17.09.2022 (Saturday)	--	--	CS8591 – Computer Networks	MA8551 – Algebra and Number Theory	--	--

HOD

Vice Principal

Principal

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Time Table – NOVEMBER 2022

Date	CAT-II EXAM	
	II YEAR CSE A	II YEAR CSE B
28.11.22 (Monday)	MA3354 – Discrete Mathematics	CS3391 – Object Oriented Programming
29.11.22 (Tuesday)	CS3301 – Data Structures	MA3354 – Discrete Mathematics
30.11.22 (Wednesday)	CS3352 – Foundations of Data Science	CS3351– Digital Principles and Computer Organization
1.12.22 (Thursday)	CS3351– Digital Principles and Computer Organization	CS3352 – Foundations of Data Science
2.12.22 (Friday)	CS3391 – Object Oriented Programming	CS3301 – Data Structures

CAT EXAM CO-ORDINATOR   HOD/CSE   VICE-PRINCIPAL   PRINCIPAL

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
MODEL EXAM Time Table – DECEMBER 2022

DATE	II YEAR CSE A	II YEAR CSE B
08.12.22 (Thursday)	CS3301 – Data Structures	CS3351– Digital Principles and Computer Organization
14.12.22 (Wednesday)	CS3352 – Foundations of Data Science	CS3391 – Object Oriented Programming
17.12.22 (Saturday)	MA3354 – Discrete Mathematics	CS3301 – Data Structures
21.12.22 (Wednesday)	CS3351– Digital Principles and Computer Organization	MA3354 – Discrete Mathematics
24.12.22 (Saturday)	CS3391 – Object Oriented Programming	CS3352 – Foundations of Data Science

CAT Coordinator

HOD/CSE

Date: 30.03.2023

CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY: : CHENNAI – 600 025

REVISED

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES
February 2023 – June 2023 (Even Semester – Except Semester II)
UG / PG (FT/PT) Degree Programmes

SI. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised*	Existing	Revised*
1.	B.E. / B.Tech.(Full-Time)	IV,VI	06.02.2023	12.05.2023	24.05.2023***	15.05.2023	26.05.2023	26.05.2023	05.06.2023
2.	B.E. / B.Tech.(Full-Time)	VIII							
3.	B.Arch. (Full-Time)	IV,VI,VIII,X							
4.	B.E. / B.Tech. (Part-Time)	IV,VI	06.02.2023	12.05.2023**	-	15.05.2023	-	26.05.2023	-
5.	M.B.A.(Full-Time & Part-Time)	IV							
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII,X							

RE - OPENING DAY FOR THE NEXT SEMESTER: 07.08.2023 (Monday)

* To provide additional classes for Skill Based Courses.
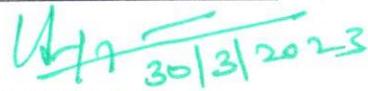
NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).

2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

SI. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	11.02.2023	Monday
2.	18.02.2023	Tuesday
3.	25.02.2023	Wednesday
4.	04.03.2023	Thursday
5.	11.03.2023	Friday
6.	18.03.2023	Monday

SI. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	25.03.2023	Tuesday
8.	01.04.2023	Wednesday
9.	29.04.2023	Thursday
10.	06.05.2023	Friday
11.	13.05.2023	Monday***
12.	20.05.2023	Tuesday***

30/3/2023

DIRECTOR
ACADEMIC COURSES

DAC - SB

REGULATIONS 2021

CHOICE BASED CREDIT SYSTEM

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

**(For the students admitted to B. E./B. Tech. Programme
at various Non-Autonomous Affiliated Institutions)**

DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY

This Regulation is applicable to the students admitted to B.E/B.Tech. Programmes at all Engineering Colleges affiliated to Anna University, Chennai (other than Autonomous Colleges) and to all the University Colleges of Engineering of Anna University, Chennai from the academic year 2021-2022 onwards.

1.   **PRELIMINARY DEFINITIONS AND NOMENCLATURE**

In these Regulations, unless the context otherwise requires:

I) "**Programme**" means Degree Programme, that is B.E./B.Tech. Degree Programme.

II) "**Discipline**" means specialization or branch of B.E./B.Tech. Degree Programme, like Civil Engineering, Textile Technology, etc.

III) "**Course**" means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.

IV) **"Director, Centre for Academic Courses"** means the authority of the University who is responsible for all academic activities of the Academic Programmes for implementation of relevant rules of this Regulations pertaining to the Academic Programmes.

V) **"Chairperson"** means the Head of the Faculty.

VI) **"Head of the Institution"** means the Principal of the College.

VII) **"Head of the Department (HOD)"** means the Head of the Department concerned.

VIII) **"Controller of Examinations (COE)"** means the authority of the University who is responsible for all activities of the University Examinations.

IX) **"University"** means ANNA UNIVERSITY, CHENNAI.

2. ADMISSION

2.1 Candidates seeking admission to the first semester of the eight semesters B.E./ B.Tech. Degree Programme:

Should have passed the Higher Secondary Examinations of (10+2) Curriculum (Academic Stream) prescribed by the Government of Tamil Nadu with Mathematics, Physics and Chemistry as three of the four subjects of study under Part-III or any examination of any other University or authority accepted by the Syndicate of Anna University as equivalent thereto.

(OR)

Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.

2.2 **Lateral entry admission**

(i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamil Nadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech., as per the rules fixed by Government of Tamil Nadu.

(OR)

(ii) The candidates who possess the Degree in Science (B.Sc.) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E. / B.Tech.

Such candidates shall undergo two additional Engineering subject(s) in the **third and fourth semesters** as prescribed by the University.

3. PROGRAMMES OFFERED

B.E. / B.Tech. Programmes under the Faculty of Civil Engineering, Faculty of Mechanical Engineering, Faculty of Electrical Engineering, Faculty of Information and Communication Engineering and Faculty of Technology.

4. STRUCTURE OF PROGRAMMES

4.1 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:

i. **Humanities, Social Sciences and Management Courses (HSMC)** include Professional English, Communication skills etc.

ii. **Basic Sciences Courses (BSC)** include Mathematics, Physics, Chemistry, Biology, Environmental Science etc.

iii. **Engineering Sciences Courses (ESC)** include Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc.

iv. **Professional Core Courses (PCC)** include the core courses relevant to the chosen specialization/branch.

v. **Professional Elective Courses (PEC)** include the elective courses relevant to the chosen specialization/ branch.

vi. **Open Elective Courses (OEC)** include the courses offered by a branch to other branches, from the list specified in the respective curriculum of the B.E. / B. Tech. / B. Arch. Programmes.

vii. **Employability Enhancement Courses (EEC)** include Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc.

viii. **Audit courses (AC)** include the courses such as Constitution of India, Sangam literature etc.

4.2   Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes NCC/NSS/NSO/YRC and undergo training / conduct activities for about 80 hours and attend a camp of about seven days. The training shall include classes on hygiene and health awareness and also training in first-aid. Alternately, activities of science, literature and arts also help for personality and character development. So, students shall conduct and participate actively in Science club/Literary Forum/Fine Arts activities for 80 hours and participate in at least ONE event.

National Cadet Corps (NCC) will have about 20 parades.

National Service Scheme (NSS) will have social service activities in and around the College / Institution.

National Sports Organization (NSO) will have Sports, Games, Drills and Physical exercises.

Youth Red Cross (YRC) will have activities related to social services in and around College/Institution.

While the training activities will normally be during weekends, the camp will normally be during vacation period.

Science club shall organise activities of popularisation of science and scientific temper through activities related to astronomy, works of great scientists from India and abroad, observing National Science Day, etc.

Literary Club like 'Tamil Ilakkiya Mandram' shall be formed, which shall organise colourful literary events to propagate good humanist values, morals and ethics reflected in the literature.

Fine Arts Club like music, painting and documentary films with social themes shall be encouraged.
Students who enroll and take active participation in anyone of the above activities for 80 hours and participate at least one event/programme will be given a certificate by the Head of the Institution and the copy of the same shall be forwarded to the Controller of Examinations for the purpose of record and scrutiny.
No fee shall be charged for all these activities.

4.3   Number of courses per semester
Each semester curriculum shall normally have a blend of lecture courses not exceeding **7** Theory courses and Laboratory integrated theory courses and **4** Employability Enhancement Course(s) and Laboratory Courses. However, the total number of courses per semester shall not exceed 10. Each Course shall have credits assigned as per clause 4.4.

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

Contact period per week	CREDITS
1 Lecture Period	1
1 Tutorial Period	1
1 Laboratory Period (also for EEC courses like Seminar / Project Work /Case study / etc.)	0.5

4.5.   Industrial Training/ Internship

4.5.1   The students may undergo Industrial training for a period as specified in the Curriculum during the summer / winter vacation. In this case, the training has to be undergone continuously for a period of at least two weeks in an organization.

The students may undergo Internship at a Research organization / University/ Industry (after due approval from the Head of the Institution) for the period prescribed in the curriculum during the summer / winter vacation, in lieu of Industrial training. Attendance Certificate mentioning the period of Industrial Training / Internship and signed by the competent authority of the industry, as per the format provided by the Centre for Academic Courses shall be submitted to the Head of the Institution. The attendance certificate shall be forwarded to the COE, Anna University by the Head of the Institution for processing results.

4.5.2   If Industrial Training/ Internship is not prescribed in the curriculum, the student may undergo Industrial Training/ Internship optionally and the credits earned will be indicated in the Grade Sheet. If the student earns three credits in Industrial Training/ Internship, the student may drop one Professional Elective (only one professional elective can be dropped). In such cases, Industrial Training / Internship need to be undergone continuously from one organization or with a combination one two week and one four week from one/two organizations. However, if the number of credits earned is 1 or 2, then these credits shall not be considered for classification of the degree. Students shall get permission from the Head of the Institution for taking Industrial Training/Internship and the Certificate of completion of Industrial Training / Internship shall be forwarded to the COE.

DURATION OF TRAINING/INTERNSHIP	CREDITS
2 Weeks*	1
4 Weeks	2
6 Weeks	3

*1 Week = 40 Internship Hours

4.6   Industrial Visit

Every student is required to go for at least one Industrial Visit every semester starting from the second year of the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

4.7   Value Added Courses

The students may optionally undergo Value Added Courses (VAC) over and above the topics covered in the curriculum to obtain practical and industry specific knowledge. The credits earned through the Value Added Courses shall be over and above the total credit requirements prescribed in the curriculum for the award of the degree**. One / Two credit courses shall be offered by a Department of an institution with the prior approval from the Head of the Institution and the Centre for Academic courses without any additional fee charged from the students.** The details of the syllabus, time table and course coordinator may be sent to the Centre for Academic Courses at least one month before the course is offered for approval. **Students can take a maximum of two one credit courses / one two credit course** during the entire duration of the Programme.

4.8   Online Courses

Students may be permitted to credit a maximum of two online courses, subject to a maximum of six credits, with the approval of the **Head of the Institution** and the **Centre for Academic Courses, in lieu of open elective / professional elective courses. The Head of the Institution shall form a three member committee with members as HOD and a faculty member from the Department of the student, HOD of any other branch of the Institution to ensure that the student has not studied such courses and would not repeat it again as Professional Core/Professional Elective/Open Elective courses.** Suitable online courses shall be chosen from the SWAYAM platform.

4.9   Audit courses

The student may optionally study audit courses prescribed by the University and it will be mentioned in the Grade Sheet. However, it will not be considered for computation of CGPA.

4.10   Advancement of Courses:

The students who completed their final semester courses (except project work) in advance, shall be permitted to carry out their final semester Project Work for six months in an industry/research organization.

These students shall undergo the eighth semester courses other than the Project Work in the sixth and seventh semesters, provided they do not have current arrears and have a CGPA of 7.50 and above at the end of Semester IV. The Head of Department, in consultation with the faculty handling the said courses shall forward the proposal recommended by the Head of Institution to the Controller of Examinations through the Director, Centre for Academic Courses for approval at least 4 weeks before the commencement of the sixth semester of the programme for approval.

4.11 Medium of Instruction

The medium of instruction is English for all courses, examinations, Seminar presentations and Project Work reports except for the programmes offered in Tamil Medium.

5. DURATION OF THE PROGRAMME

5.1 A student is ordinarily expected to complete the B.E. / B.Tech. Programme in 8 semesters (for HSC students) and six semesters (for Lateral Entry students) but in any case not more than 14 Semesters for HSC (or equivalent) students and not more than 12 semesters for Lateral Entry students.

5.1.1 A student is ordinarily expected to complete the B.E. Mechanical Engineering (Sandwich) Programme in 10 semesters (five academic years) but in any case not more than 18 Semesters for HSC (or equivalent) students.

5.2 Each semester shall normally consist of 75 working days or 540 periods of 50 minutes each. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

5.3 The Head of the Institution may conduct additional classes for improvement, special coaching, conduct of model test etc., over and above the specified periods. But for the purpose of calculation of attendance requirement for writing the end semester examinations (as per clause 6) by the students, following method shall be used.

$$\text{Percentage of Attendance} = \frac{\text{Total no. of periods attended in all the courses per semester}}{\text{(No. of periods / week as prescribed in the curriculum) x 15 taken together for all courses of the semester}} \times 100$$

The University Examination will normally follow immediately after the last working day of the semester as per the academic schedule prescribed from time to time.

5.4 The total period for completion of the programme reckoned from the commencement of the first semester to which the student was admitted shall not exceed the maximum period specified in clause 5.1 irrespective of the period of break of study (vide clause 18) in order that he/she may be eligible for the award of the degree (vide clause 16).

6. COURSE REGISTRATION

6.1 The institution is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has 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 6.2)). 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 Institution and forwarded to the Controller of Examinations. This registration is for undergoing the course 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 and
  iii. Courses advanced to Semester VI and VII from Semester VIII (as per clause 4.10).

The maximum number of credits that can be registered in a semester is 36. However, this does not include the number of Re-appearance (RA) and Withdrawal (W) courses registered by the student for the appearance of Examination.

6.2 Flexibility to Drop courses

6.2.1 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.

6.2.2 From the second to final semesters, the student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses shall not exceed 6 per semester. The student is permitted to drop the course(s) within 30 days of the commencement of the academic schedule.

7. ATTENDANCE REQUIREMENTS FOR COMPLETION OF THE SEMESTER

7.1 A student who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

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, the student is expected to attend at least 75% of the classes.

Therefore, he/she shall **secure not less than 75%** (after rounding off to the nearest integer) of overall attendance as calculated as per clause 5.3.

7.2 However, a student who secures overall attendance between 65% and 74% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / participation in sports events 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 attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes.

7.3 Students who **secure less than 65% overall attendance** shall not be permitted to write the University examination at the end of the semester and not permitted to move to the next semester. They are required to repeat the incomplete semester in the next academic year, as per the norms prescribed.

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 HOD of the department concerned. The class advisor is the ex-officio member and the Convener of the class committee. The responsibilities for the class advisor shall be:

- To act as the channel of communication between the HOD and the students of the respective class.
- To collect and maintain various statistical details of students.
- 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.
- To attend to the students' welfare activities like awards, medals, scholarships and industrial visits.

9. CLASS COMMITTEE

9.1. Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson, who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching-learning process. The functions of the class committee include:

- Solving problems experienced by students in the class room and in the laboratories.
- Clarifying the regulations of the degree programme and the details of rules therein particularly (clause 5 and 7).
- 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 solving problems, if any.
- Identifying the slow-learners, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such students.

9.2 The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the 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, covering all the elective courses.

9.5 The chairperson of the class committee may invite the class adviser(s) and the Head of the Department to the class committee meeting.

9.6 The Head of the Institution may participate in any class committee meeting of the institution.

9.7 The chairperson is required to prepare the minutes of every meeting, submit the same to the Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.

9.8 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, 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. **The Class**

Committee Chairperson shall display the cumulative attendance particulars of each student on the Notice Board at the end of every such meeting to enable the students to know their attendance details to satisfy the clause 6 of this Regulation. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching-learning 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 teachers teaching the common course with one of them nominated as the course coordinator. The nomination of the course coordinator shall be made by the Head of the Department / Head of the Institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The 'Course Committee' shall meet 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).

11. SYSTEM OF EXAMINATION

11.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) University examination at the end of the semester.

11.2 Each course, both theory and practical (including project work & viva voce examinations) shall be evaluated for a maximum of 100 marks.

11.2.1 For all theory courses, the continuous internal assessment will carry **40 marks** while the End Semester University examination will carry **60 marks.**

11.2.2 For all theory courses with laboratory component, the continuous internal assessment will carry **50 marks** while the End Semester University examination will carry **50 marks.**

11.2.3 For all laboratory courses, the continuous internal assessment will carry **60 marks** while the End Semester University examination will carry **40 marks.**

11.2.4 The continuous internal assessment for the project work will carry 40 **marks** while the End Semester University examination will carry 60 **marks.**

11.3 Industrial Training and Seminar shall carry 100 marks and shall be evaluated through internal assessment only.

11.4 The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

11.5 The University examination for Project Work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

11.6 For the University examination of practical courses including Project Work, the internal and external examiners shall be appointed by the Controller of Examinations.

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

For all theory, laboratory courses, theory courses with laboratory component and project work the continuous assessment shall be awarded as per the procedure given below:

12.1 THEORY COURSES

Two assessments each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all assessments put together out of 200, shall be proportionately reduced for 40 marks and rounded to the nearest integer (This also implies equal weightage to the two assessments).

Assessment I (100 Marks)		Assessment II (100 Marks)		Total
Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Internal Assessment
40	60	40	60	200*

*The weighted average shall be converted into 40 marks for internal Assessment.

Two internal assessments will be conducted as a part of continuous assessment. Each internal assessment is to be conducted for 100 marks and will have to be distributed in two parts viz., Individual Assignment/Case study/Seminar/Mini project and Test with each having a weightage of 40% and 60% respectively. The tests shall be in written mode. The total internal assessment marks of 200 shall be converted into a maximum of 40 marks and rounded to the nearest integer.

12.2 LABORATORY COURSES

The maximum marks for Internal Assessment shall be 60 marks in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records to be maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 60 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be converted into a maximum of 60 marks and rounded to the nearest integer.

Internal Assessment (100 Marks)*	
Evaluation of Laboratory Observation, Record	Test
75	25

* Internal assessment marks shall be converted into 60 marks

12.3 THEORY COURSES WITH LABORATORY COMPONENT

If there is a theory course with laboratory component, there shall be two assessments: the first assessment (maximum mark is 100) will be similar to assessment of theory course and the second assessment (maximum mark is 100) will be similar to assessment of laboratory course respectively. The weightage of first assessment shall be 40 % and the second assessment be 60 %. **The weighted average of these two assessments shall be converted into 50 marks and rounded to the nearest integer.**

Assessment I (40% weightage) (Theory Component)		Assessment II (60% weightage) (Laboratory Component)		Total Internal Assessment
Individual Assignment / Case Study / Seminar / Mini Project	Written Test	Evaluation of Laboratory Observation, Record	Test	
40	60	75	25	200*

*The weighted average shall be converted into 50 marks for internal Assessment.

12.4 PROJECT WORK
The student shall register for Project Work-I in pre-final semester and Project Work-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-II may/may not be a continuation of Project Work-I. If Project Work II is not a continuation of Project Work I, then the topic and constitution of the project team members need not be the same.

12.4.1 Project Work shall be carried out under the supervision of a "qualified teacher" in the Department concerned. In this context "qualified teacher" means the faculty member possessing (i) PG degree or (ii) Ph.D. degree.

12.4.2 The Project Work-II carried out in industry/academic/research institutions need not be a continuation of Project Work-I. In such cases, the Project Work-II shall be jointly supervised by a supervisor of the department and an expert as a joint supervisor from the organization and the student shall be instructed to meet the supervisor periodically and to attend the review committee meetings for evaluating the progress. The review meetings, if necessary, may also be arranged in online mode with prior approval from the Head of the Institution and suitable record of the meetings shall be maintained.

12.4.3 The Head of the Institutions shall constitute a review committee for Project Work for each programme. The review committee consists of supervisor, an expert from the Department and a project coordinator from the Department. If the project coordinator/expert member happens to be the supervisor, then an alternate member shall be nominated. In the case of Industrial Project, the review committee shall have the supervisor, the coordinator from industry and the project coordinator from the Department.

There shall be three reviews during the semesters VII and VIII by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be **reduced for 40 marks** and rounded to the nearest integer (as per the scheme given in 12.4.4).

12.4.4 The project report shall carry a maximum of 20 marks. The project report shall be submitted as per the approved guidelines as given by the Director, Centre for Academic Courses. Same marks shall be awarded to every student within the project group for the project report. The viva-voce examination shall carry 40 marks. Marks are awarded to each student of the project group is based on the individual performance in the viva-voce examination.

Review I	Review II	Review III	End Semester Examinations				
			Project Report		Viva-Voce Examination		
			Internal	External	Internal	External	Supervisor
10	15	15	10	10	10	20	10

12.4.5 The last date for submission of the project report is on the last working day of the semester. If a student fails to submit the project report on or before the specified deadline or the student has submitted the project report but did not appear for the viva-voce examination, it will be considered as fail in the Project Work and the student shall re-register for the same in the subsequent semester.

12.5 OTHER EMPLOYABILITY ENHANCEMENT COURSES

(a) The Seminar / Case Study / Mini Project course is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three member committee appointed by the Head of the Institution, consisting of the course coordinator and two experts from the Department, will evaluate the seminar and at the end of the semester, the marks shall be consolidated and taken as the final mark. The evaluation shall be based on the seminar paper (40%), presentation (40%) and response to the questions asked during presentation (20%).

(b) The Industrial / Practical Training, Summer Project, Internship, shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical Training / Internship / Summer Project, the student shall submit an attendance certificate from the organization where he / she has undergone training and a brief report. The evaluation will be made based on this report and a viva-voce Examination, conducted internally by a three member Departmental Committee constituted by the Head of the Institution consisting of the course coordinator and two experts from the Department. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examinations.

(c) For all the courses under Employability Enhancement Courses Category, except the Project Work, the evaluation shall be done with 100% internal marks and as per the procedure described in clause 12.5 (a) / (b).

12.6   ASSESSMENT FOR VALUE ADDED COURSES

The one / two credit course shall carry 100 marks and shall be evaluated through **continuous assessments only**. Two Assessments as per the clause 12.1 or 12.2 shall be conducted by the Department concerned. The total marks obtained in the assessments shall be reduced to 100 marks and rounded to the nearest integer. A committee consisting of the Head of the Department, staff handling the course and a senior faculty member nominated by the Head of the Institution shall do the evaluation process. The list of students along with the marks and the grades earned shall be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of End Semester Examinations. The grades earned by the students for Value Added Courses will be recorded in the Grade Sheet, however the same shall not be considered for the computation of CGPA.

12.7   ASSESSMENT FOR ONLINE COURSES

Students may be permitted to credit two online courses (which are provided with certificate), subject to a maximum of six credits. **The online course of 3 credits can be considered instead of one elective course**. These online courses shall be chosen from the SWAYAM platform, provided the offering organisation conducts regular examination and provides marks. The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed in the examination as per the norms of the offering organisation. The details regarding online courses taken up by the student and marks/credits earned and the approval for the course from Centre for Academic Courses shall be sent to the Controller of Examinations, Anna University in the subsequent semester(s) along with the details of the elective(s) to be dropped.

12.8.   Internal marks approved by the Head of the Institution shall be displayed by the respective HODs within 5 days from the last working day.

12.9   Attendance Record

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD', which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the Department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the Department will put his/her signature and date after due verification. At the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years). The University or any inspection team appointed by the University may verify the records of attendance and assessment of both current and previous semesters.

12.10 Conduct of Academic Audit by every Institution

Every educational institution shall strive for a better performance of the students by conducting the internal assessments as mentioned in Clause 12.

In order to ensure the above, Academic Audit is to be done for every course taught during the semester. For the internal assessments conducted for each course as per details provided in Clause 12, the academic records shall be maintained in the form of documentation for the individual assignments / case study report / report of mini project submitted by each student and assessment test question paper and answer script. Report of industrial training / internship shall also be maintained, if applicable. For laboratory courses students' record shall be maintained. Further, the attendance of all students shall be maintained as a record.

The Head of the Institution shall arrange to conduct the Academic Audit for every course in a semester by forming the respective committees with an external course expert as one of the members drawn from a Technical institution of repute near the institute.

The University or any inspection team appointed by the University may verify the records of Academic Audit report of the courses of both current and previous semesters, as and when required.

13.   REQUIREMENTS FOR APPEARING FOR UNIVERSITY EXAMINATIONS

A student shall normally be permitted to appear for the University Examinations for all the courses registered in the current semester (vide clause 6) 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(s) course(s) for the University 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 subject 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 University Examinations] with a minimum of 45% of the marks prescribed for the end-semester University 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 (except electives), the student shall register and appear only for the end semester examination in the subsequent semester. In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the third attempt onwards if a student fails to obtain pass marks (IA + End Semester Examination) as per clause 14.1, then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the University end semester examinations alone.

 14.3 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 case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the candidate secures a pass. However, from the third attempt onwards if a candidate fails to obtain pass marks (IA + End Semester Examination) as per clause 14.1, then the candidate shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the University end semester examinations alone.

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 clause 7 and appear for the end semester examination.

14.4 If a student is absent during the viva - voce examination, it would be considered as fail. If a student fails to secure a pass in Project Work-I, **the student shall register** for the course again in the subsequent semester and can do Project Work-I and II together.

14.5 The passing requirement for the courses which are assessed only through purely internal assessments (EEC courses except Project Work and laboratory), is 50% of the internal assessment (continuous assessment) marks only.

14.6 A student can apply for revaluation of the student's semester examination answer paper in a theory course, as per the guidelines of the COE on payment of a prescribed fee along with prescribed application to the COE through the Head of the Institution. The COE will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institution. Revaluation is not permitted for laboratory course and EEC courses.

15. AWARD OF LETTER GRADES

15.1 The award of letter grades will be decided using relative grading principle. The performance of a student will be reported using letter grades, each carrying certain points   as detailed below:

Letter Grade	Grade Points*
O (Outstanding)	10
A + (Excellent)	9
A (Very Good)	8
B + (Good)	7
B (Average)	6
C (Satisfactory)	5
RA (Re-appearance)	0
SA (Shortage of Attendance)	0
W (Withdrawal)	0

A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+","B", "C".

'SA' denotes shortage of attendance (as per clause 7.3) and hence prevented from writing the end semester examinations. 'SA' will appear only in the result sheet.

"RA" denotes that the student has failed to pass in that course. "**W**" denotes **withdrawal** from the exam for the particular course. The grades RA and W will figure both in the Grade Sheet as well as in the Result Sheet. In both cases, the student has to appear for the End Semester Examinations as per the Regulations.

If the grade RA is given to **Theory Courses/ Laboratory Courses it is not required to satisfy the** attendance requirements (vide clause 7), but has to appear for the end semester examination and fulfil the norms specified in clause 14 to earn a pass in the respective courses.

If the grade RA is given to **EEC course (except Project Work), which are evaluated only through internal assessment,** the student shall register for the course again in the subsequent semester, fulfil the norms as specified in clause 14 to earn pass in the course. However, attendance requirement need not be satisfied.

15.2 For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC / Science club / Literary Club/ Fine Arts Club, a 'completed' remark will appear in the Grade Sheet on successful completion of the same. Every student shall put in a minimum of 75% attendance in the training and attend the camp or events of the clubs compulsorily. The training and camp or club events shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the subsequent years. **Successful completion of any one of the above co-curricular activities is compulsory for the award of degree.**

15.3 The grades O, A+, A, B+, B, C obtained for the one/two credit course (not the part of curriculum) shall figure in the Grade Sheet under the title **'Value Added Courses/Internship/Industrial training'**. The courses for which the grades obtained are RA, SA **will not figure in the Grade Sheet.**

15.4 For the students who complete the Audit Course satisfying attendance requirement, the title of the Audit Course will be mentioned in the Grade Sheet. If the attendance requirement is not satisfied, it will not be shown in the **Grade Sheet.**

15.5 **GRADE SHEET**

After results are declared, Grade Sheets will be issued to each student which will contain the following details:
- The college in which the student has studied
- The list of courses registered during the semester and the grade scored.
- The Grade Point Average (GPA) for the semester and
- The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.

GPA for a semester is the ratio of the sum of the products of the number of credits acquired for courses and the corresponding points to the sum of the number of credits acquired for the courses in the semester. CGPA will be calculated in a similar manner, considering all the courses registered from first semester. RA grades will be excluded for calculating GPA and CGPA.

$$GPA / CGPA = \frac{\sum\limits_{i=1}^{n} C_i \, GP_i}{\sum\limits_{i=1}^{n} C_i}$$

where C_i is the number of Credits assigned to the course

GP_i is the point corresponding to the grade obtained for each course

n is number of all courses successfully cleared during the particular semester 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. Degree provided the student has

i. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.

ii. Successfully completed the course requirements, appeared for the End – Semester examinations and passed all the subjects within the period as prescribed in clause 5.1 and 5.1.1.

iii. Successfully passed any additional courses prescribed by the Director, Centre for Academic Courses whenever the student is readmitted under Regulations R-2021 from the earlier Regulations.

iv. Successfully completed the NCC / NSS / NSO / YRC / Science Club / Literature Club / Fine Arts Club requirements.

v. No disciplinary action pending against the student.

vi. The award of Degree must have been approved by the Syndicate of the University.

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 the examination in **First class with Distinction:**

- Should have passed the examination in all the courses of all the eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) in the student's First Appearance within **five** years (Six years in the case of Mechanical (Sandwich) and Four years in the case of Lateral Entry). Withdrawal from examination (vide Clause 17) will not be considered as an appearance.

- Should have secured a CGPA of not less than **8.50**.

- One year authorized break of study (if availed of) is included in the five years (Six years in the case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class with Distinction.

- Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.

16.2.2 **FIRST CLASS:**

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

- Should have passed the examination in all the courses of all eight semesters (10 Semesters in case of Mechanical (Sandwich) and 6 semesters in the case of Lateral Entry) **within five years**. (Six years in case of Mechanical (Sandwich) 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 (Six years in case of Mechanical (Sandwich) and four years in the case of lateral entry) for award of First class.

- Should have secured a CGPA of not less than **6.50.**

16.2.3 **SECOND CLASS:**

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 end 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).

16.4 Photocopy / Revaluation

A student can apply for photocopy of his/her semester examination answer paper in a theory course, as per the guidelines of the COE, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Institutions. The answer script is to be valued and justified by a faculty member, who has handled the subject and recommend for revaluation with t h e breakup of marks for each question. Based on the recommendation, the student can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the student concerned through the Head of the Institutions. Revaluation is not permitted for practical courses and EEC courses.

A student can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

16.5 Review

Students not satisfied with Revaluation can apply for Review of his/ her examination answer paper in a theory course, within the prescribed date on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Institution.

Students applying for Revaluation only are eligible to apply for Review.

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 Chairman, Sports Board and the HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in **ANY ONE** of the semester examinations during the entire duration of the degree programme. The application shall be sent to the COE through the Head of the Institutions with required documents.

17.2 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 Institution and approved by the Controller of Examinations. 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.

17.3   In case of withdrawal from a course / courses, the courses will figure both in the Grade Sheet as well as in the Result Sheet. However, withdrawal shall not be considered as an appearance for the eligibility of a student for First Class with Distinction.

17.4   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 30/60 days after the declaration of results for Project Work I and II respectively and the same shall not be considered as reappearance.

17.6   Withdrawal is permitted for the end semester examinations in the final semester, as per clause 16.2.1.

18.   PROVISION FOR AUTHORISED BREAK OF STUDY

18.1   A student is permitted to go on authorised 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 any, as notified by the Centre for Academic Courses under change of Regulations. 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 Clause 16.2).

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 clause 5.1 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 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 authorised break of study for one year. The student shall join the job / start-up / entrepreneurship only after getting approval of the same by the Director, Centre for Academic Courses with due proof to that effect.

18.8 No fee is applicable to students during the Break of Study period.

19. DISCIPLINE

19.1 Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. The Head of the Institution shall constitute a disciplinary committee consisting of the Head of the Institution, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the University about the disciplinary action recommended for approval. In case of any serious disciplinary action which leads to suspension or dismissal, then a committee shall be constituted including one representative from Anna University, Chennai. In this regard, the member will be nominated by the University on getting information from the Head of the Institution.

19.2 If a student indulges in malpractice in any of the University / internal examination he / she shall be liable for punitive action as prescribed by the University from time to time.

20. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The University may from time to time revise, amend or change the Regulations, curriculum, syllabus and scheme of examinations through the Academic Council with the approval of the Syndicate.

PERI INSTITUTE OF TECHNOLOGY
IQAC ACADEMIC CALENDER 2022-23 EVEN SEMESTER (II YEAR)

JANUARY				FEBRUARY			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Sun			1	Wed	Reopening for IV, VI and VIII Sem	1
2	Mon			2	Thu	Class Committee week	2
3	Tue			3	Fri		3
4	Wed	Governing Council meeting		4	Sat		
5	Thu			5	Sun		
6	Fri			6	Mon	Commencement of Aptitutde Training 6th sem	6
7	Sat	IQAC Academic Verification End Sem		7	Tue		7
8	Sun			8	Wed	Zeroth -Review Report	8
9	Mon			9	Thu		9
10	Tue	IQAC Meeting		10	Fri		10
11	Wed			11	Sat		11
12	Thu	National -Youth Day		12	Sun		
13	Fri			13	Mon		12
14	Sat	Pongal Holidays		14	Tue		13
15	Sun	Pongal Holidays		15	Wed		14
16	Mon	Pongal Holidays		16	Thu		15
17	Tue	Pongal Holidays		17	Fri	Annual Sports Meet	16
18	Wed			18	Sat		
19	Thu			19	Sun		
20	Fri			20	Mon	Class Committee Meeting week	17
21	Sat			21	Tue		18
22	Sun			22	Wed		19
23	Mon	Placement Meeting -1		23	Thu	National - Science Day	20
24	Tue			24	Fri		21
25	Wed	National - Voters Day		25	Sat	First review Report Submission	
26	Thu	Holiday - Republic Day		26	Sun		
27	Fri	IQAC Academic Verification -Starts		27	Mon		22
28	Sat			28	Tue		23
29	Sun						
30	Mon						
31	Tue						
MARCH				APRIL			

Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Wed		24	1	Sat	**Annual Appraisal Window starts**	
2	Thu		25	2	Sun		
3	Fri		26	3	Mon		50
4	Sat		27	4	Tue		51
5	Sun			5	Wed		52
6	Mon	**Laboratory Model Examination 1**	28	6	Thu		53
7	Tue	**Commencement of CAT 1- 2nd,3rd&4th year**	29	7	Fri	**Holiday - Good Friday**	
8	Wed	**International Womens Day**	30	8	Sat		
9	Thu		31	9	Sun		
10	Fri		32	10	Mon		54
11	Sat	**Annual - Culturals**	33	11	Tue	**Commencement of CAT 2- 2nd,3rd&4th year**	55
12	Sun			12	Wed		56
13	Mon		34	13	Thu		57
14	Tue		35	14	Fri		58
15	Wed		36	15	Sat		
16	Thu		37	16	Sun		
17	Fri		38	17	Mon	**Class Committee Meeting week**	59
18	Sat			18	Tue		60
19	Sun			19	Wed	**International Conference -ICCCI**	61
20	Mon		39	20	Thu		62
21	Tue		40	21	Fri	**Third Review report**	63
22	Wed	**World Water Day**	41	22	Sat	**Holiday - Ramzan/World Earth Day**	
23	Thu		42	23	Sun		
24	Fri	**Idea Fest**	43	24	Mon		64
25	Sat		44	25	Tue		65
26	Sun			26	Wed		66
27	Mon	**Class Committee meeting week**	45	27	Thu		67
28	Tue	**Second Review Report Submission**	46	28	Fri	**International Conference ICRCT**	68
29	Wed	**Mid semester Feed back**	47	29	Sat		69
30	Thu		48	30	Sun		
31	Fri		49				

| MAY | | | | JUNE | | | |
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Mon	Holiday - May day	70	1	Thu		
2	Tue	Commencement of Model Examaination-Second year	71	2	Fri		
3	Wed		72	3	Sat		
4	Thu	International Conference on ICCET	73	4	Sun		
5	Fri		74	5	Mon		
6	Sat	Commencement of Model Examaination-Third year	75	6	Tue		
7	Sun			7	Wed		
8	Mon		76	8	Thu		
9	Tue		77	9	Fri		
10	Wed		78	10	Sat		
11	Thu		79	11	Sun		
12	Fri	Commencement of Model Examaination-Final year	80	12	Mon	Commencement of CAT 1-First year	
13	Sat			13	Tue		
14	Sun			14	Wed		
15	Mon			15	Thu		
16	Tue			16	Fri		
17	Wed			17	Sat		
18	Thu			18	Sun		
19	Fri			19	Mon		
20	Sat			20	Tue		
21	Sun			21	Wed		
22	Mon	Laboratory Model Examination 2		22	Thu		
23	Tue	End - Semester Feed back		23	Fri		
24	Wed			24	Sat		
25	Thu	Semester Examination Begins- Second year		25	Sun		
26	Fri			26	Mon		
27	Sat			27	Tue		
28	Sun			28	Wed		
29	Mon			29	Thu		
30	Tue	IQAC Meeting		30	Fri		
30	Wed			30	Sat		

| JULY				AUGUST			
Date	Day	Activity	Academic Day	Date	Day	Activity	Academic Day
1	Sun			1	Tue		
2	Mon			2	Wed		
3	Tue			3	Thu		
4	Wed			4	Fri		
5	Thu			5	Sat		
6	Fri			6	Sun		
7	Sat			7	Mon	Laboratory Model Examination 1- First year	
8	Sun			8	Tue		
9	Mon			9	Wed		
10	Tue			10	Thu		
11	Wed	Commencement of CAT 2- First year		11	Fri		
12	Thu			12	Sat		
13	Fri			13	Sun		
14	Sat			14	Mon		
15	Sun			15	Tue	Semester Examination Begins- First year	
16	Mon			16	Wed		
17	Tue			17	Thu		
18	Wed			18	Fri		
19	Thu			19	Sat		
20	Fri			20	Sun		
21	Sat			21	Mon		
22	Sun			22	Tue		
23	Mon			23	Wed		
24	Tue			24	Thu		
25	Wed			25	Fri		
26	Thu			26	Sat		
27	Fri	Commencement of Model exam-First year		27	Sun		
28	Sat			28	Mon		
29	Sun			29			
31	Mon			31			

IQAC COORDINATOR

PRINCIPAL

Dr. R. PALSON KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COURSE ALLOTMENT-EVEN SEM(2022-23)

S.No	Name of the staff	Theory /Lab handling	Year/Sem	No.Of Courses	Sign
1	Dr. S.KARPAGASELVI	CP4096 Software Quality Assurance	I/II/ME	1	
2	Dr. S.NAGARAJ	CP4291/Internet of Things	I/II/ME		
		CP5411/Project Phase Work II	II/IV/ME	1+1	
3	Dr.T.SARAVANAN	CP4292/Multicore Architecture and Programing	I/II/ME	1	
4	Dr.S.AMBAREESH	CS8075/Data Warehousing and Data Mining	III/VI/A		
		CS8811/Project	IV/VIII/A	1+1	
5	DR.BALU S	MP4092/Human Computer Interaction	I/II/ME		
		CS8691/Artificial Intelligence	III/VI/A		
		CP4211/Term Paper Writing and Seminar	I/II/ME	2+1	
6	DR.PRIYA V	CS3452/Theory of Computation	II/IV/A		
				1+1	
7	MRS. VARALAKSHMI K	CS8602/Compiler Design	III/VI/A		
		CS8602/Compiler Design	III/VI/B		
		CS8811/Project	IV/VIII/B	2+1	
8	MRS. ARUL SANDANA RANI A	CS8601/Mobile Computing	III/VI/B		
		CS8662/Mobile Application Development Laboratory	III/VI/B	1+1	
9	MRS. RENUKA M	CS8603/Distributed Systems	III/VI/B		
		CS3401/Algorithms	II/IV/B	2+1	
10	MRS. LEKHA P	CS3492/Database Management Systems	II/IV/B		
		CS8075/DataWarehousing and Data Mining	III/VI/B		
		CS3481/Database Management Systems Laboratory	II/IV/B	2+1	
11	MRS. JAYAPRABHA J	CP4252/Machine Learning	I/II/ME		
		CS8611/Mini Project	III/VI/B	1+1	
12	MR. KARTHIKEYAN M	CP4212/Software Engineering Laboratory	I/II/ME		
		SE4151/Advanced Software Engineering	I/II/ME	1+1	
13	MR. VASANTHA RAJA SS	CS8601/Mobile Computing	III/VI/A		
		CS8080/Information Retrieval Techniques	IV/VIII/B		
		CS8662/Mobile Application Development Laboratory	III/VI/A	2+1	
14	MR. VIJAYANARAYANAN A	CS3452/Theory of Computation	II/IV/B		
		CS8651/Internet Programming	III/VI/B		
		CS8661/Internet Programming Laboratory	III/VI/B	2+1	
15	MRS. DIVYA M	CS8611/Mini Project	III/VI/A		
		CS8491/Artificial Intelligence and Machine Learning	II/IV/B		
		GE8076/Professional Ethics in Engineering	IV/VIII/A	2+1	
16	MRS. ABBIRAMI RS	CS3491/Artificial Intelligence and Machine Learning	II/IV/A		
		GE8076/Professional Ethics in Engineering	IV/VIII/B	1+1	
17	MRS. JONISHA P	CS3251/Programming in C	I/II/CSE B		
		CS346/Operating Systems Laboratory	II/IV/B	1+1	
18	MRS. SAVITHIRI R	CS3492/Database Management Systems	II/IV/A		
		CS3451/Introduction to Operating System	II/IV/B		
		CS3481/Database Management Systems Laboratory	II/IV/B	2+1	
19	MR. NOBLE LOURDHU RAJ SR	CS8651/Internet Programming	III/VI/A		
		CS3451/Introduction to Operating System	II/IV/A		
		CS8661/Internet Programming Laboratory	III/VI/A	2+1	
20	MRS. DEEPIKA H	CS3401/Algorithms	II/IV/A		
		CS8080/Information Retrieval Techniques	IV/VIII/A	2	
21	MRS. VIMALA DEVI A	CS3251/Programming in C	I/II/CSE B		
		CS8691/Artificial Intelligence	III/VI/B		
		CS3271/Programming in C Laboratory	I/II/CSE B	2+1	
22	MRS. BERSIKIN LIBINA T	CS8603/Distributed System	III/VI/A		
		CS3271/Programming in C Laboratory	I/II/CSE B		
		AD3271/Data Structures Design Laboratory	I/II/AI	1+2	
23	MRS.ARUNA JASMINE	CS8691/Artificial Intelligence	III/VI/A		
		CS8661/Internet Programming Laboratory	III/VI/A	1+1	
24	MRS.VIDHYA	AD3251/Data Structures Design	I/II/AI		
		CS3271/Programming in C Laboratory	I/II/CSE A		
		CS3271/Programming in C Laboratory	I/II/CSE B	1+2	
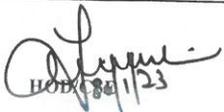
HOD 28/1/23

Principal

PERI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TIME TABLE ACADEMIC YEAR 2022– 2023 (EVEN SEMESTER)

Year / Sem: II / IV   Section: A   Room No:BT-9

W.E. F:01/02/2023 6P

Days / Hour	1 8:30-9:15	2 9:15-10:00	BREAK (10.00 – 10.15)	3 10:15-11:00	4 11:00-11:45	BREAK (11.45 – 12.30)	5 12:30-1:15	6 1:15-2:00	BREAK (2.00 – 2:10)	7 2:10-2:55	8 2:55-3:40
Monday	CS3451/OS	CS3401/AL		GE3451/EVS	CS3491/AIML		CS3492/DBMS	NPTEL / Library		CS3452/TOC	CS3451/OS
Tuesday	CS3491/AIML	CS3492/DBMS		CS3451/OS	CS3452/TOC		← CS3461/ OSL CS3481/DBMSL			CS3461/ OSL CS3481/DBMSL →	Mentor
Wednesday	CS3452/TOC	GE3451/EVS		CS3491/AIML	CS3401/AL		CS3452/TOC	←		CS3461/ OSL CS3481/ DBMSL→	
Thursday	CS3492/DBMS	CS3452/TOC		CS3401/AL	CS3491/AIML		CS3401/AL	CS3492/DBMS		GE3451/EVS	CS3491/AIML
Friday	CS3401/AL	CS3492/DBMS		CS3452/TOC	CS3451/OS		CS3451/OS	CS3401/AL		GE3451/EVS	Objective type test

S. No.	Subject Code	Subject Name	Name of the Faculty	Dept.	No. of Hours
1.	CS3452	Theory of Computation	Dr.V.Priya	CSE	6
2.	CS8491	Artificial Intelligence and Machine Learning	Mrs.R.S.Abbirami	CSE	5
3.	CS3492	Database Management Systems	Mrs.R.Savithiri	CSE	5
4.	CS3401	Algorithms	Mrs. H .Deepika	CSE	6
5	CS3451	Introduction to Operating Systems	Mr.S.RNoble Lourdhuraj	CSE	5
6	GE3451	Environmental Sciences and Sustainability	Ms.Prasanna Devi	CSE	4
Laboratories					
7.	CS3461	Operating Systems Laboratory	Mrs.S.Jonisha	CSE	6
8.	CS3481	Database Management Systems Laboratory	Mrs.R.Savithri	CSE	6
9.	Mentor	Skill Development/Mentor	Department Faculties	CSE	1
10.	OT	Objective type test	Department Faculties	CSE	1
11	NPTEL/LH	NPTEL/Library	Mrs. H .Deepika	CSE	1

Class Incharge: Mrs.R.Savithiri

Time Table Coordinator   HOD - CSE   Principal

PERI Institute of Technology
Mannivakkam, Chennai 609048
## Department of Computer Science and Engineering

Degree and Programme		B.E/ CSE	
Semester		VI	
Course Code and Name:		CS8651 Internet Programming	
Core / Elective:		Core	
L T P C	3 0 0 3	No. of Credits:	3
Date of commencement:		01.02.2023	
Faculty Incharge:		Mr.A.Vijayanarayanan	

Definition:

Web programming refers to the writing, markup and coding involved in Web development, which includes Web content. Web client and server scripting and network security. The most common languages used for Web programming are XML, HTML, JavaScript, Perl 5 and PHP. Web programming is different from just programming, which requires interdisciplinary knowledge on the application area, client and server scripting, and database technology..

Courseobjective:

* To understand different Internet Technologies
* To learn java-specific web services architecture.
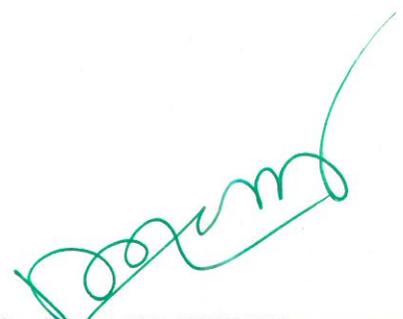
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Course Outcomes:

At the end of this course, the students will be able to:

- CO1: Construct a basic website using HTML and Cascading Style Sheets
- CO2: Build dynamic web page with validation using Java Script objects and by applying different event handling mechanisms.
- CO3: Develop server side programs using Servlets and JSP
- CO4: Construct simple web pages in PHP and to represent data in XML format
- CO5: Use AJAX and web services to develop interactive web applications

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SYLLABUS

UNIT I WEBSITE BASICS, HTML 5, CSS 3, WEB 2.0   9

Web Essentials: Clients, Servers and Communication – The Internet – Basic Internet protocols – World wide web – HTTP Request Message – HTTP Response Message – Web Clients – Web Servers – HTML5 – Tables – Lists – Image – HTML5 control elements – Semantic elements – Drag and Drop – Audio – Video controls - CSS3 – Inline, embedded and external style sheets – Rule cascading – Inheritance – Backgrounds – Border Images – Colors – Shadows – Text – Transformations – Transitions – Animations.

UNIT II CLIENT SIDE PROGRAMMING   9

Java Script: An introduction to JavaScript–JavaScript DOM Model-Date and Objects,- Regular Expressions- Exception Handling- Validation-Built-in objects-Event Handling- DHTML with JavaScript- JSON introduction – Syntax – Function Files – Http Request –SQL.

UNIT III SERVER SIDE PROGRAMMING   9

Servlets: Java Servlet Architecture- Servlet Life Cycle- Form GET and POST actions- Session Handling- Understanding Cookies- Installing and Configuring Apache Tomcat Web Server- DATABASE CONNECTIVITY: JDBC perspectives, JDBC program example - JSP: Understanding Java Server Pages-JSP Standard Tag Library (JSTL)-Creating HTML forms by embedding JSP code.

UNIT IV PHP and XML   9

An introduction to PHP: PHP- Using PHP- Variables- Program control- Built-in functions- Form Validation- Regular Expressions - File handling – Cookies - Connecting to Database. XML: Basic XML- Document Type Definition- XML Schema DOM and Presenting XML, XML Parsers and Validation, XSL and XSLT Transformation, News Feed (RSS and ATOM).

UNIT V INTRODUCTION TO AJAX and WEB SERVICES   9

AJAX: Ajax Client Server Architecture-XML Http Request Object-Call Back Methods; Web Services: Introduction- Java web services Basics – Creating, Publishing, Testing and Describing a Web services (WSDL)-Consuming a web service, Database Driven web service from an application –SOAP.
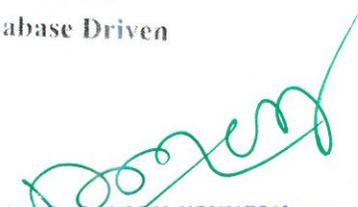
TOTAL 45 PERIODS

TEXT BOOK:
1. Deitel and Deitel and Nieto, "Internet and World Wide Web - How to Program",Prentice Hall, 5th Edition, 2011.
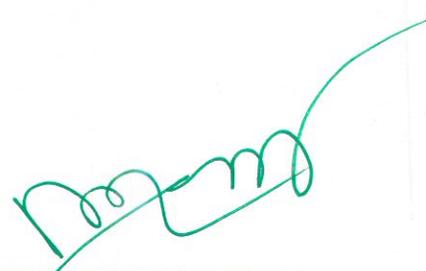REFERENCES:
1. Stephen Wynkoop and John Burke "Running a Perfect Website", QUE, 2ndEdition,1999.
2. Chris Bates, Web Programming – Building Intranet Applications, 3rd Edition, Wiley Publications, 2009.

3. Jeffrey C and Jackson, "Web Technologies A Computer Science Perspective", Pearson Education, 2011.

4. Gopalan N.P. and Akilandeswari J., "Web Technology", Prentice Hall of India, 2011.

5. UttamK.Roy, "Web Technologies", Oxford University Press, 2011.
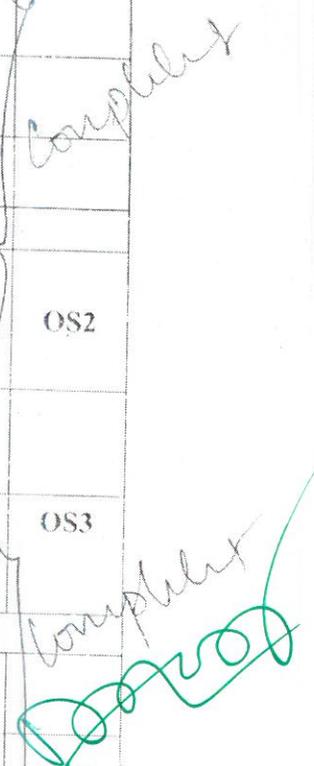
ONLINE SOURCE

- OS1-https://www.youtube.com/watch?v=2rsI05vBsD4

- OS2-https://www.youtube.com/watch?v=hExRDVZHhig

- OS3-https://www.youtube.com/watch?v=qz0aGYrrlhU

- OS4- https://www.youtube.com/watch?v=W6NZfCO5S!k

- OS5-https://www.youtube.com/watch?v=7TOmdDJc14s

- OS6-https://www.youtube.com/watch?v=3OrEsC-QjUA

- OS7-https://www.youtube.com/watch?v=KBT2gmAfav4

- OS8-https://www.youtube.com/watch?v=E-NciVkZFVs

- OS9-https://www.youtube.com/watch?v=tNKD0kfci6o

- OS10- : https://nptel.ac.in

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COURSE DELIVERY PLAN

S. No	Topic to be Covered	Proposed Date	Actual Date	Cognitive Level	Use Of Teaching Tool	Teaching Methodolgy	Reference Material	Remarks
UNIT I AUTOMATA AND REGULAR EXPRESSIONS								
1	Web Essentials: Clients, Servers and Communication	01.02.23	01.02.23	Understand	Chalk & Board	Lecture	T1.R1	
2	Introduction to Basic Internet protocols	02.02.23	02.02.23	Remember	Visual Aids, PPT	lecture	T1.R1	OS1
3	HTTP Request Message – HTTP Response Message	02.02.23	02.02.23	Understand	Chalk & Board	Lecture	T1.R1	
4	WebClients – Web Servers	04.02.23	07.02.23	Understand	Chalk & Board	Lecture	T1.R2	
5	Introduction to HTML5 Tables	07.02.23	08.02.23	Understand	Chalk & Board	Lecture with demonstration	T1.R2	
6	Semantic elements	08.02.23	09.02.23	Understand	Chalk & Board	Lecture	T1.R3	
7	Drag and Drop – Audio – Video controls - CSS3 – Inline, embedded and external style sheets	09.02.23	11.02.23	Understand	Visual Aids, PPT	Lecture with demonstration	T1.R1	OS2
8	Rule cascading – Inheritance – Backgrounds	11.02.23	11.02.23	Apply	Chalk & Board	Lecture	T1.R1	
9	Transformations – Transitions – Animations	11.02.23	14.02.23	Apply	Chalk & Board	Activity Based Learning	T1.R1	OS3
UNIT II REGULAR EXPRESSIONS AND LANGUAGES								
10	An introduction to JavaScript	14.02.23	15.02.23	Remember	Chalk & Board	Lecture	T1.R1	
11	JavaScript DOM Model	15.02.23	20.02.23	Understand	Visual Aids, PPT	Lecture with demonstration	T1.R1	

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12	Date and Objects	16.02.23	20.02.23	Understand	Chalk & Board	Lecture	T1,R1	
13	Regular Expressions-Exception Handling-Validation	18.02.23	21.02.23	Understand	Chalk & Board	Lecture	T1,R2	
14	Event Handling DHTML with JavaScript	18.02.23	22.02.23	Understand	Visual Aids, PPT	Lecture with demonstration	T1,R2	
15	Java Secript Validation	20.02.23	25.02.23	Understand	Chalk & Board	Buddy Learning	T1,R2	
16	Built-in objects	21.02.23	03.03.23	Understand	Visual Aids, PPT	Lecture	T1,R1	
17	DHTML with JavaScript	22.02.23	04.03.23	Remember	Visual Aids, PPT	Lecture with demonstration	T1,R1	OS4
	JSON introduction	23.02.23	06.03.2023	Remember	Chalk & Board	Lecture with demonstration	T1,R1	OS5
UNIT III CONTEXT FREE GRAMMAR AND PUSH DOWN AUTOMATA

19	Servlets: Java Servlet Architecture	24.02.23	7/3/2023	Remember	Visual Aids, PPT	Lecturer	T1,R1	
20	Servlet Life Cycle	26.02.23	8/3/2023	Understand	Chalk & Board	Tutorial	T1,R1	
21	Session Handling	07.03.23	09/3/23.	Understand	Chalk & Board	Lecture	T1,R1	
23	Understanding Cookies	08.03.23	11/3/23.	Understand	Chalk & Board	Lecture with demonstration	T1,R2	OS6
24	Installing and Configuring Apache Tomcat Web Server	09.03.23	13/3/23	Understand	Chalk & Board	Activity Based Learning	T1,R2	
25	DATABASE CONNECTIVITY	11.03.23	14/3/23	Apply	Chalk & Board	Lecture	T1,R3	
26	Understanding Java Server Pages	11.03.23	15/3/23	Apply	Chalk & Board	Lecture	T1,R1	
27	Creating HTML forms by embedding JSP code	13.03.23	17/3/23	Apply	Visual Aids, PPT	Flipped Classroom	T1,R1	

Complete

Complete

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UNIT IV NORMAL FORMS AND TURING MACHINES

28	An introduction to PHP	14.03.23	18/3/23	Remember	Chalk & Board	Lecturer	T1,R1	
29	PHP- Variables	15.03.23	20/3/23	Understand	Chalk & Board	Tutorial	T1,R1	
30	Built-in functions	16.03.23	22/3/23	Understand	Chalk & Board	Lecture	T1,R1	
31	Understanding Cookies	18.03.23	29/3/23	Understand	Chalk & Board	Lecture	T1,R2	
32	File handling	18.03.23	25/3/23	Understand	Chalk & Board	Lecture	T1,R2	OS8
33	Connecting to Database	20.03.23	28/3/23	Apply	Chalk & Board	Activity Based Learning	T1,R2	SEMI NAR
34	XML: Basic XML- Document Type Definition	21.03.23	30/3/23	Apply	Chaik & Board	Tutorial	T1,R1	OS9
35	XML Schema DOM and Presenting XML	22.03.23	3/4/23	Understand	Visual Aids, PPT	Lecture	T1,R1	SEMI NAR
36	News Feed (RSS and ATOM).	23.03.23	4/4/23	Apply	Visual Aids, PPT	Tutorial	T1,R1	SEMI NAR

UNIT V UNDECIDABILITY

37	AJAX: Ajax Client Server Architecture	26.03.23	5/4/23	Remember	Visual Aids, PPT	Lecturer	T1,R1	
38	XML Http Request Object-Call Back Methods	26.03.23	6/4/23	Understand	Chalk & Board	Tutorial	T1,R1	SEMI NAR
39	Web Services: Introduction- Java web services	29.03.23	6/4/23	Understand	Chalk & Board	Lecture	T1,R1	SEMI NAR
40	Web Services: Introduction- Java web services	29.03.23	7/4/23.	Apply	Chalk & Board	Lecture	T1,R2	
41	Creating, Publishing, Testing and Describing a Web services (WSDL)	30.03.23	8/4/23	Apply	Chalk & Board	Lecture with demonstration	T1,R2	

Complet

Complet

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42	Creating, Publishing, Testing and Describing a Web services (WSDL)	30.03.23	19/4/23	Apply	Chalk & Board	Activity Based Learning	T1,R2	SEMI NAR
43	Consuming a web service, Database Driven web service from an application	04.04.23	23/4/23	Apply	Chalk & Board	Tutorial	T1,R1	
44	Consuming a web service, Database Driven web service from an application	05.04.23	26/4/23.	Apply	Visual Aids, PPT	Lecture	T1,R1	OS10
45	SOAP	06.04.23	29/4/23.	Apply	Visual Aids, PPT	Tutorial	T1,R1	
	Content Beyond the Syllabus							
46	XML DATA BASE CONNECTIVITY	08.04.23	29/4/23	Understand	Visual Aids, PPT	Lecture	Online source	
47	JQuery	12.04.23	29/4/23	Apply	Visual Aids, PPT	Lecture	Online source	

Subject Incharge   1/2/23

HOD/CSE

Vice Principal(IQAC Coordinator)

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EVEN SEMESTER 2022 – 2023
Class Committee Meeting Circular

Date: 15.05.2023
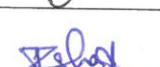
Batch: B.E CSE (2021 – 2025)

Year/Sem/Sec: II/ IV / 'A'
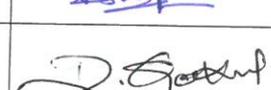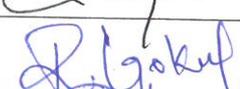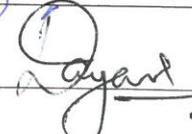
Chairperson: Mr. Vijayanarayanan
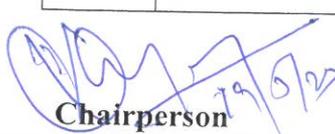
H.O.D – Mrs.K.Varalakshmi

The third class committee meeting for II year CSE 'A' for the academic year 2022-2023 (Even semester) will be held on 18.05.2023 at 2pm in IQAC room in the presence of HOD of CSE,IQAC coordinator, subject handling faculty members and selected students. All the members are requested to attend the meeting to improve the effectiveness of teaching-learning process.

Subject Handling FacultyMembers:

Sl.No	Subject Code	Subject Name	Staff Name	Signature
1	CS3452	Theory of Computation	Mrs.G.S.Gayathri	
2	CS8491	Artificial Intelligence and Machine Learning	New Faculty	
3	CS3492	Database Management Systems	Mrs.R.Savithiri	
4	CS3401	Algorithms	Mrs.H .Deepika	
5	CS3451	Introduction to Operating Systems	Mr.S.RNobleLourdhu Raj	
6	GE3451	Environmental Sciences and Sustainability	Mrs. P. Prasanna Devi	
7	CS3461	Operating Systems Laboratory	Mrs.G.S.Gayathri	
8	CS3481	Database Management Systems Laboratory	Mrs.R.Savithri	
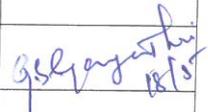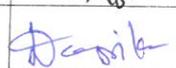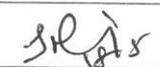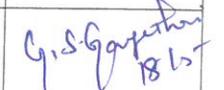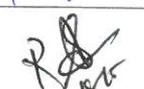
Student Members

S.No	Student Name	Signature
1	B.Gayathri	
2	P.Ishasri	
3	D.Gokul	
4	R.Gokul	
5	P.Arul Pandian	
6	M.Dayana	
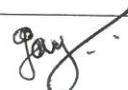
Chairperson

HOD-CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Class Committee Meeting

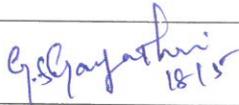**Batch: B.E CSE (2021 – 2025)**

Chairperson: Mr. Vijayanarayanan
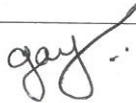
Year/Sem/Sec: II/ IV / 'A'

H.O.D – Mrs.K.Varalakshmi

Attendance sheet for the Class committee meeting held on 18.05.2023 at 2pm

Staff Members:

Sl.No	Staff Name	Signature
1	Mrs.G.S.Gayathri	
2	Mrs. P. Prasanna Devi	
3	Mrs.R.Savithiri	
4	Mrs.H .Deepika	
5	Mr.S.RNobleLourdhu Raj	

Student Members

S.No	Student Name	Signature
1	B.Gayathri	
2	P.Ishasri	
3	D.Gokul	
4	R.Gokul	
5	P.Arul Pandian	
6	M.Dayana	
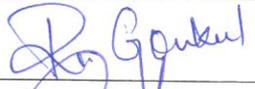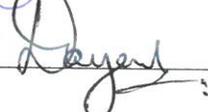
Chairperson

HOD-CSE

Batch: B.E CSE (2021 – 2025)   Year/Sem/Sec: II/ IV / 'A'
Chairperson: Mr. Vijayanarayanan   H.O.D – Mrs.K.Varalakshmi

Syllabus Completion

Sl.No	Subject Code	Subject Name	Completion Status
1	CS3452	Theory of Computation	Completed 5 units
2	CS8491	Artificial Intelligence and Machine Learning	Completed 5 units
3	CS3492	Database Management Systems	Completed 5 units
4	CS3401	Algorithms	Completed 5 units
5	CS3451	Introduction to Operating Systems	Completed 5 units
6	GE3451	Environmental Sciences and Sustainability	Completed 5 units

The following points were discussed during the Class Committee Meeting for
II CSE A Held on 18.05.2023 at 2pm

S.No	Points Discussed	Action Taken
1	Individual staff -portion completion	The Syllabus completion copy has been attached. – all 5 units
2	TOC	The staff provided PPT &hand written Notes of all units
3	Artificial Intelligence and Machine Learning	Satisfied with the teaching methods. All units revision scheduled as the students requested
4	DBMS – Notes not given and need more explanation about diagrams	Satisfied with the teaching methods. Notes material given
5	Algorithms	Satisfied with the teaching methods, All units revision scheduled as the students requested
6	Operating System	Satisfied with the teaching methods.
7	EVS	Requested for extra classes. Conveyed to staff and has been followed
General		
8	Discussed regarding importance of model examinations. and also discussed about their university result improvement	
9	Increasing class Attendance percentage. Advised to attend classes regularly and improve attendance percentage and also not to come late	
10	Timing not Sufficient for writing Revision Test and Can be combined as 1 exam per day for 2 Units. Students requested for more time to study	
11	Lab Experiments. Students were asked to complete all the lab experiments with in the time period and attend their university lab within their commencement time. without any mall practice and come with lab observation and record	
12	Discussed regarding the importance of attending revision classes and unit wise test. Students must not take leave during revision classes, Unit wise test and model exam.(Will be useful for University Exams)	

Chairperson

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
CAT I Examination – Time Table – March 2023

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
7.03.2023 (Tuesday)	GE3451- Environmental Sciences and Sustainability	CS3451- Introduction to Operating Systems	CS8651 – Internet Programming	CS8603 – Distributed System	GE8076 – Professional Ethics in Engineering	CS8080 – Information Retrieval Techniques
8.03.2023 (Wednesday)	CS3451- Introduction to Operating Systems	CS3401- Algorithms	CS8601 – Mobile Computing	CS8651 – Internet Programming	CS8080 – Information Retrieval Techniques	GE8076 – Professional Ethics in Engineering
9.03.2023 (Thursday)	CS3401- Algorithms	GE3451- Environmental Sciences and Sustainability	CS8603 – Distributed System	CS8601 – Mobile Computing		
10.03.2023 (Friday)	CS3492 – Database Management Systems	CS8491- Artificial Intelligence and Machine Learning	CS8691 – Artificial Intelligence	CS8075 – Data Warehousing and Data Mining	--	--
14.03.2023 (Tuesday)	CS3452- Theory of Computation	CS3492 – Database Management Systems	CS8602 – Compiler Design	CS8691 – Artificial Intelligence		
15.03.2023 (Wednesday)	CS8491- Artificial Intelligence and Machine Learning	CS3452- Theory of Computation	CS8075 – Data Warehousing and Data Mining	CS8602 – Compiler Design	--	--

HOD -CSE   Vice Principal   Principal

PERI
INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
CAT – II   Time Table – April 2023 (Revised)

Date	II YEAR CSE A	II YEAR CSE B	III YEAR CSE A	III YEAR CSE B	IV YEAR CSE A	IV YEAR CSE B
11.04.2023 (Tuesday)	CS3451- Introduction to Operating Systems	CS8491- Artificial Intelligence and Machine Learning	CS8601 – Mobile Computing	CS8603 – Distributed System	CS8080 – Information Retrieval Techniques	CS8080 – Information Retrieval Techniques
12.04.2023 (Wednesday)	CS3401- Algorithms	CS3451- Introduction to Operating Systems	CS8603 – Distributed System	CS8651 – Internet Programming		
13.04.2023 (Thursday)	CS3492 – Database Management Systems	CS3401- Algorithms	CS8651 – Internet Programming	CS8075 – Data Warehousing and Data Minin	--	--
15.04.2023 (Saturday)	CS3452- Theory of Computation	CS3492 – Database Management Systems	CS8075 – Data Warehousing and Data Mining	CS8601 – Mobile Computing	--	--
18.04.2023 (Tuesday)	GE3451- Environmental Sciences and Sustainability	CS3452- Theory of Computation	CS8602 – Compiler Design	CS8691 – Artificial Intelligence	GE8076 – Professional Ethics in Engineering	GE8076 – Professional Ethics in Engineering
19.04.2023 (Wednesday)	CS8491- Artificial Intelligence and Machine Learning	GE3451- Environmental Sciences and Sustainability	CS8691 – Artificial Intelligence	CS8602 – Compiler Design	--	--

CAT COORDINATOR

HOD CSE

PERI INSTITUTE OF TECHNOLOGY
COACHING CLASS PLAN (2022-203 EVEN SEM)

Date/Hours	II A		II B		III A		III B		IV A&B	
2-May-23	AIML	DBMS	AL	AIML	AI	DS	DWDM	IP		
3-May-23	DBMS	AIML	AIML	AL	DS	AI	IP	DWDM		
5-May-23	AIML	DBMS	AL	AIML	AI	DS	DWDM	IP		
6-May-23	DBMS	**DBMS Model**	AIML	**AIML Model**	DS	**DS Model**	IP	**IP Model**		
8-May-23	AIML	**AIML Model**	AL	**AL Model**	AI	**AI Model**	DWDM	**DWDM Model**		
9-May-23	OS	TOC	TOC	DBMS	MC	DWDM	CD	MC	IRT	PE
10-May-23	TOC	OS	DBMS	TOC	DWDM	MC	MC	CD	PE	IRT
11-May-23	OS	TOC	TOC	DBMS	MC	DWDM	CD	MC	IRT	PE
12-May-23	OS	**OS Model**	TOC	**TOC Model**	DWDM	**DWDM Model**	MC	**MC Model**	PE	**PE MODEL**
13-May-23	TOC	**TOC Model**	DBMS	**DBMS Model**	MC	**MC Model**	CD	**CD Model**	IRT	**IRT MODEL**
16-May-23	ESS	AL	OS	ESS	IP	CD	DS	AI		
17-May-23	AL	ESS	ESS	OSM	CD	IP	AI	DS		
18-May-23	ESS	**ESS Model**	OS	**OS Model**	IP	**IP Model**	DS	**DS Model**		
19-May-23	AL	**AL Model**	ESS	**ESS Model**	CD	**CD Model**	AI	**AI Model**		

CAT
Coordinator

HOD/CSE