



EXCEL ENGINEERING COLLEGE
(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA(AERO,ECE,CSE,MECH) & NAAC with "A+" and
Recognized by UGC (2f &12B)
KOMARAPALAYAM – 637303

2.5.3 IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution

The office of Controller of Examinations (CoE) introduces several reforms in Examination System which impacted positively on various aspects of the system. The yearly academic events planned and approved by the academic committee will be circulated to all students, and also uploaded in the college website. A regulation book which consists of all academic rules, regulations, course structures and syllabi will be provided to the students. All the examination and evaluation process are carried out with the help of in-house developed software.

Reforms in the examination procedures and processes:

Assessment and Examination Procedure:

A candidate shall normally be permitted to appear for End Semester Examination (ESE) of the current semester, if he/she satisfies the semester completion requirements. Registration is mandatory for current and arrear semester examinations. In order to avoid partiality/favouritism and maintain confidentiality, ESE answer scripts are assigned with dummy numbers. After the result Publications, the students are allowed to see their photocopied answer scripts and they can apply for revaluation with specific appeal. The appeal will be examined by the faculty and verified by the HoD, which improves fairness. Examination squads are constituted for ensuring the fair conduct of examinations and adherence of norms.

Performance of each course shall be evaluated by (i) Continuous Assessment (CA) throughout the semester

(ii) End Semester Examination (ESE) and it shall be evaluated for the maximum 100 Marks.

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Question Paper Pattern and Setting

All the questions for the exams must follow Bloom's Taxonomy. It is mandatory that questions in part B should maintain the same level of difficulty, as it follows either/or type pattern. Examiners for setting ESE question papers and evaluating answer scripts shall be appointed by the Controller of Examinations. QP scrutiny is done by subject experts before the commencement of examinations. If any wards or blood relatives are studying, they are not considered for examination related activities.

End Semester Examination Grade Assessment Procedure:

Assessment Procedure for Award of Marks

The total marks for each course generally (Theory, Theory cum Practical, Integrated Course, Project Work) will be 100, comprising of two components namely Internal Assessment Examination Marks (IAE) and Final Examination (FE). Each course, both theory and theory cum practical shall be evaluated for a maximum of 100marks.

Theory Courses

Three Internal Assessment Examinations (IAE) each carrying 50 marks shall be conducted during the semester. Formative assessment shall be used to assess the continuous learning. The award of marks shall be as follows,

Each theory course shall be evaluated for a maximum of 100 marks.

Internal Assessment : 40 Marks

End Semester Examinations : 60 Marks

Assessment	Marks	Weightage	IA Marks	Marks		
				IA	FE	Total
IAE – I	50	5	25	40	60	100
IAE – II	50	10				
IAE – III	50	10				
Quiz / Presentation / Tutorial	10	5	15			
Video presentation / Assignment	10	5				
Attendance	10	5				

Theory Cum Practical Course

Each Theory cum Practical Course shall be evaluated separately for theory component and Practical component.

Assessment	Marks	Weightage	Marks	Marks		
				IA	FE	Total
IAE – I	50	5	25	50	50	100
IAE – II	50	10				
IAE – III	50	10				
Rubrics based CA	100	10	25			
Model Examination for Practical	100	10				
Attendance	10	5				

Practical courses Examination

Each Practical course shall be evaluated for a maximum of 100 marks. The performance of the students in the End Semester examinations for Practical courses are assessed by two Examiners viz. Examiner-I and Examiner-II wherein the Examiner-I would be the laboratory course in-charge and Examiner-II would be the faculty member from the panel of expert nominated by the Controller of Examination.

Continuous Assessment :50 Marks

End Semester Examination : 50Marks

Assessment	Marks	Weightage	Marks		
			CA	FE	Total
Rubrics based Continuous Assessment	100	25	50	50	100
Preparatory Examination	100	20			
Attendance	5	5			

Mini Project and Design Project

During sixth and seventh semester of study the students have to register for mini project and Design project respectively. Students can do the project either by individual or by group having maximum four in a batch with the guidance of a faculty member. Head of the department will nominate a review committee and a faculty coordinator to monitor the progress.

Assessment	Committee	Guide	Marks		
			CA	FE	Total
Review 1	10	10	50	50	100
Review 2	10	10			
Review 3	10	10			
Report & Viva	20	20			

Major Project

Major Project work may be assigned to a single student or to a group of students not exceeding 4 per group, under the supervision of faculty guide(s).

The Project Report, prepared according to the approved guidelines and duly signed by the guide and the Head of the Department, shall be submitted to the department as per the timeline announced by the department. The End Semester Examination for project work shall consist of evaluation of the final project report by an external examiner, followed by a viva-voce examination conducted separately for each student, by a committee consisting of the external examiner, internal examiner and project coordinator. The Controller of Examinations (CoE) shall appoint Internal and External Examiners for the End Semester Examination of the Project Work.

The Continuous Assessment Marks and End Semester Examinations marks for Project Work and the Viva-Voce Examination will be distributed as below.

Assessment	Committee	Guide	Marks		
			CA	FE	Total
Review 1	5	5	50	50	100
Review 2	5	5			
Review 3	5	5			
Conference Publications	5	5			
Report	5	5			

Assessment for internship (Continuous Internal Assessment only)

The Head of the department will nominate a faculty guide and a supervisor from the concerned industry. The internship is assessed by both the faculty guide and supervisor.

Assessment	Guide	Supervisor	Total Marks
Review 1	20	20	100
Review 2	20	20	
Report / Case study	-	20	

Assessment for value added courses / Certificate Courses (Continuous Internal Assessment only)

The value added courses shall carry 100 marks for one to three credits and will be evaluated through continuous assessment only. Two Assessments and one evaluation shall be conducted during the semester by the Department concerned. The list of students along with the marks and the grades earned may be forwarded to the Controller of Examinations for the appropriate action at least one month before the commencement of Final Examinations.

Assessment	Marks	Total Marks
Test 1	25	100
Test 2	25	
Final Evaluation	50	

Assessment for Online courses

All the online courses carry a weightage of credits specified by NPTEL from time to time. These credits may be considered in lieu of a suitable professional/open electives. Student shall earn any numbers of credits and they can claim for transfer of credits before eighth semester.

NPTEL Score and the corresponding equivalent score offered is given below.

NPTEL SCORE	< 40	40 - 45	46 - 50	51 - 60	61 - 70	71 - 80	81 - 100
LETTER GRADE	< 50 U	50 – 55 C	56 – 60 B	61 – 70 B ⁺	71 – 80 A	81 – 90 A ⁺	91 – 100 O

Assessment for one credit courses (Continuous Internal Assessment)

- A one - credit course shall carry 100 marks and shall be evaluated through continuous assessment only. The question paper pattern and scheme will be decided by the industry expert and will be approved by the DAAC.
- The Head of the Department may identify a faculty member as the coordinator for the course.
- The faculty coordinator shall coordinate with the industry expert for conducting the classes and for conducting Internal Assessment Examination.
- The grades shall be assigned to the students based on their performance and included in the mark sheet as additional credits
- Students may skip one elective course if they complete three one credit courses.

Assessment	Marks	Weightage	Marks		
			CA	FE	Total
IAE-I	50	30	100	0	100
IAE-II	50	30			
IAE-III	50	30			
Attendance	10	10			

Assessment for Mandatory Courses (Continuous Assessment only)

Assessment	Marks	Weightage	Total Marks
IAE-I	50	20	100
IAE-II	50	20	
IAE-III	50	20	
Assignment / Activity	20	20	
Attendance	20	20	

The overall attendance is considered for awarding internal assessment marks. The mark split-up for the same will be as follows:

Attendance	Marks
Below 75%	0
75 -79%	1
80-84%	2
85-89%	3
90-94%	4
95-100%	5

VALIDITY OF INTERNAL ASSESSMENT MARKS

The assessment marks scored is applicable for subsequent two attempts. From third attempt onwards the internal marks become invalid and the student have to score 50 % marks in the final examination to get pass in the particular subject.

PASSING REQUIREMENTS

A candidate who secures not less than 50% of total marks prescribed for the course (Internal Assessment + End Semester Examination) and with a minimum 45% of the marks prescribed for the End Semester Examinations, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and practical courses (including project work). If a student fails to secure a pass in any of the courses, the student shall register for the courses again, in the subsequent semester.

The passing requirement for the courses which are assessed purely through internal assessments is 50% of the internal assessment marks only. If a student has failed in the End Semester examination, he/she may be allowed to register for the course in the next semester.

AWARD OF LETTERGRADES

All assessments of a course will be evaluated on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each subject as detailed below:

Absolute Grading system for 2020 batch (Regulation 2020)

Letter Grade	Grade Points	Marks Range
O (Outstanding)	10	91 – 100
A + (Excellent)	9	81 – 90
A (Very Good)	8	71 – 80
B + (Good)	7	61 – 70
B (Average)	6	50 – 60
RA (Re - appear)	0	<50
SA (Shortage of Attendance)	0	
W (Withdrawal)	0	

Relative grading system followed from 2021 batch onwards (Regulation 2020)

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 - appear)	0
SA (Shortage of Attendance)	0
W (Withdrawal)	0

Processes integrating IT:

1. An exclusive web server in demilitarized zone with firewall security
2. Authorized access by the COE to the web portal
3. Data storage and uninterrupted power supply backup
4. Coxco software is used for Internal mark calculation, Result passing, Analysis and Declaration of the result.
5. Students' daily attendance and Marks scored for CA test are entered in CAMU software.
6. Photo copier machine and Colour Printer interfaced with computers.

7. Students' verification is done through online and digital mode.

The CIA system is given as additional information for reference. From the college website the stakeholders and the public can view the information related to Assessment procedure. Continuous Internal Assessment System etc.



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