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Process for Autonomous Scheme
(w.e.f. 2023-2024)

ESC / PCC / PCC with handson (04 or 03 Credit Courses)

CIE: 30(IA – Internal Assessment Tests) + 20(CRA – Course Related Activities)

1. **IA (30 Marks):** Two IA of 50 Marks each is conducted. Average of two IA is considered this will make to 50 Marks which is scaled down to 30 Marks.
   Note1: *Each IA shall be conducted for 50% coverage of syllabus.*
   Note2: *If module 5 is application oriented then the each IA shall be conducted after covering 2 modules of the syllabus. The 5th module can be assessed based on report on the expert lecture / poster presentation / seminar / hands-on …*

   Minimum Passing Marks 12

2. **CRA (20 Marks):**

	Parameter	Marks
a.	Assignments	5
b.	Any two assessment methods viz. Course Seminars, Quiz, Group Discussions, Case Studies, In class assignments, projects,etc. *Note: If project based assessment is used, only one assessment may be adopted.*	15
	OR	
	Participation for Online Certificate Course of minimum duration of 8 to 12 hours *Note: Proof in terms of participation certificate or submission of online cousrse assignment to be submitted (free online courses may be selected)*	15
Total		**20**
Minimum Passing Marks		**10**

Total CIE = 30(IA) + 20 (CRA) = 50
Minimum marks for CIE: 22 Marks.

SEE is conducted for 100 Marks, which is scaled down to 50 Marks.
Minimum marks for SEE: 35% of 50 =18 Marks

Note: Minimum Passing Standadrd in a course: CIE + SEE = 40 Marks
The minimum passing marks is the binding on the course instructor based on the discussion with HoD / Dean / Principal

IBSC / IESC / IPCC / IPEC (04 or 03 Credit Courses):

CIE: 20(IA – Internal Assessment Tests) + 10(CRA – Course Related Activities) + 20(Practical)

1. **IA (20 Marks):** Two IA of 50 Marks each is conducted. Average of two IA is considered this will make to 50 Marks which is scaled down to 20 Marks.
   Note1: *Each IA shall be conducted for 50% coverage of syllabus.*
   Note2: *If module 5 is application oriented then the each IA shall be conducted after covering 2 modules of the syllabus. The 5th module can be assessed based on report on the expert lecture / poster presentation / seminar / hands-on …*

   Minimum Marks 8

2. **CRA (10 Marks):**

Parameter		Marks
a.	Assignments	2
b.	Any two assessment methods viz. Course Seminars, Quiz, Group Discussions, Case Studies, In class assignments, online certificate, etc.	8
Total		**10**
Minimum Marks		**4**

3. **Practical (20 Marks):**

Students can opt any of the following:

a) Guided Lab Experiments

Continuous Assessment			Test	
Parameters		**Marks**	**Parameters**	**Marks**
Continous Assessment	Regularity	1	Write Up	8
	Observation + Conduction	4	Conduction/ Execution	30
	Viva	2	Viva voce	12
	Record write up	3	**Total Marks**	**50**
Total Marks		**10**	**Scaled down to 10 Marks**	
Minimum Marks		**4**	**Minimum Marks**	**6**

b)

(i) Guided Project / Research Paper / Survey Reports related to the course. Evaluation is based on the respective course instructor.

Presentation at the end of the semester	
Parameter	**Marks**
Relevance	2
Presentation and flow of slides	4
Results / Observations	4
Report	6
Viva	4
Total Marks	**20**
Minimum Marks	**10**

(ii) 3 mandatory lab experiments (Simulation based experiments / Demo experiments) shall be conducted, questions on those experiments shall be included in SEE.

Total CIE= 20(IA) + 10(CRA) + 20(Practical Component) = 50
Minimum marks for CIE: 22 Marks.

SEE is conducted for 100 Marks, which is scaled down to 50 Marks. SEE question paper shall include 15% of questions from the pratical component.
Minimum marks for SEE: 35% of 50 = 18 Marks

Note: Minimum Passing Standadrd in a course: CIE + SEE = 40 Marks
The minimum passing marks is the binding on the course instructor based on the discussion with HoD / Dean / Principal

ESCL / PCCL (1 Credit Course):

Continuous Assessment			Test	
Parameters		**Marks**	**Parameters**	**Marks**
Continous Assessment	Regularity	2	Write Up	7
	Observation + Conduction	8	Conduction/ Execution	35
	Viva	4	Viva voce	8
	Record write up	6	**Total Marks**	**50**
Total Marks		**20**	**Scaled down to 30 Marks**	
Minimum Marks		**10**	**Minimum Marks**	**15**

Total CIE = 20(Continous Assessment) + 30(Test) = 50
Minimum marks for CIE: 25 Marks.

SEE is conducted for 100 Marks, which is scaled down to 50 Marks.
Minimum marks for SEE: 35% of 50 = 18 Marks

AEC (2 Credit Course)

For course type L:T:P = 2:0:0

CIE: 30(IA – Internal Assessment Tests) + 20(CRA – Course Related Activities)

1. **IA (30 Marks):** Two IA of 50 Marks each is conducted. Average of two IA is considered this will make to 50 Marks which is scaled down to 30 Marks.
   Note1: *Each IA shall be conducted for 50% coverage of syllabus.*
   Note2: *If module 5 is application oriented then the each IA shall be conducted after covering 2 modules of the syllabus. The 5th module can be assessed based on report on the expert lecture / poster presentation / seminar / hands-on …*

   Minimum Passing Marks 12

2. **CRA (20 Marks):**

	Parameter	**Marks**
a.	Assignments	5
b.	Any two assessment methods viz. Course Seminars, Quiz, Group Discussions, Case Studies, In class assignments, projects,etc. *Note: If project based assessment is used, only one assessment may be adopted.*	15
	OR	
	Participation for Online Certificate Course of minimum duration of 40 hours	15
Total		**20**
Minimum Passing Marks		**10**

Total CIE = 30(IA) + 20 (CRA) = 50
Minimum marks for CIE: 22 Marks.

SEE is conducted for 100 Marks, which is scaled down to 50 Marks.
Minimum marks for SEE: 35% of 50 =18 Marks

Note: Minimum Passing Standard in a course: CIE + SEE = 40 Marks
The minimum passing marks is the binding on the course instructor based on the discussion with HoD / Dean / Principal

For course type L:T:P = 0:2:2

Continuous Assessment			Test	
Parameters		**Marks**	**Parameters**	**Marks**
Continous Assessment	Regularity	2	Write Up	7
	Observation + Conduction	8	Conduction/ Execution	35
	Viva	4	Viva voce	8
	Record write up	6	**Total Marks**	**50**
Total Marks		**20**	**Scaled down to 30 Marks**	
Minimum Marks		**10**	**Minimum Marks**	**15**

Total CIE = 20 (Continous Assessment) + 30(Test) = 50
Minimum marks for CIE: 25 Marks.

SEE is conducted for 100 Marks, which is scaled down to 50 Marks.
Minimum marks for SEE: 35% of 50 =18 Marks

IOEC (3 Credit Course):

I. These Courses will be offered by each department on the emerging technologies and Centre of Excellence to students of other branches. These courses shall not be offered to the students of offering department.

OR

II. Students can opt for equivalent online certificate course (in confirmation and approval from the course instructor after submission of relevant document including registration) of duration of minimum 40 hours or Multiple certifications covering 40 hours will be accepted.

OR

III. In place of OEC students may carry out any industrial internship or societal internship or societal project. Students have to submit the following – Request letter from our institution to the external organization, Letter of acceptance from the organization, Progress report / Attendance report)

OR

IV. The eligible students (having CGPA ≥ 7.5 without any backlogs) may register for Research work leading to a publication in reputed journal at the 5th semester in lieu of an Open elective. The Credit for the same shall be reflected in the 8th Semester grade card.

CIE: 20(IA – Internal Assessment Tests) + 10(CRA – Course Related Activities) + 20(Practical)

I. IA (20 Marks): Two IA of 50 Marks each is conducted. Average of two IA is considered this will make to 50 Marks which is scaled down to 20 Marks.

Note1: *Each IA shall be conducted for 50% coverage of syllabus.*

Note2: *If module 5 is application oriented then the each IA shall be conducted after covering 2 modules of the syllabus. The 5th module can be assessed based on report on the expert lecture / poster presentation / seminar / hands-on …*

Minimum Marks 8

CRA (10 Marks):

Parameter		Marks
a.	Assignments	2
b.	Any two assessment methods viz. Course Seminars, Quiz, Group Discussions, Case Studies, In class assignments, etc.	8
Total		**10**
Minimum Marks		**4**

Practical (20 Marks):

Continuous Assessment			Test	
Parameters		**Marks**	**Parameters**	**Marks**
Continous Assessment	Regularity	1	Write Up	8
	Observation + Conduction	4	Conduction/ Execution	30
	Viva	2	Viva voce	12
	Record write up	3	**Total Marks**	**50**
Total Marks		**10**	**Scaled down to 10 Marks**	
Minimum Marks		**4**	**Minimum Marks**	**6**

II) Full credit transfer on submission of graded certificate including both CIE and SEE.

III) and IV): For industry internship / research a monthly progress report from industry / research organization indicating attendance and work progress has to be submitted and Presentation will be taken at the end of the semester for award of grade.

Presentation at the end of the semester		
Parameter	**Marks (Industry Internship)**	**Marks (Research)**
Regularity	10	--
Relevance	10	10
Presentation and flow of slides	20	20
Results / Observations	20	20
Report	30	10
Publication	--	30
Viva	10	10
Total Marks	**100**	**100**
Minimum Marks	**50**	**50**

HSMC (2 Credit Course):

Biology for Engineers / Universal Human Values / Research Methodoloy and IPR / Project Management / Technical English and Soft skill……

Offline mode:

Regular classes will be conducted as per the timetable, CIE and SEE will also be conducted through offline mode (only MCQs or Regular internals).

CIE (50) = IA(30) + Activities(20)

a) IA (30 Marks)

IA1 and IA2 will be conducted for 25 marks each.

IA = Average of IA1 and IA2 will be scaled up to 30 Marks

b) Activities (20 Marks)

- Assignment: 10 Marks
- Quiz / Seminar / Unit Test: 10 Marks

SEE (50): Will be conducted for 50 marks in offline mode

Note: To clear any subject, CIE + SEE = 40 Marks

Online mode:

Students can opt for equivalent online certificate course (in confirmation with the course instructor) and full credit transfer can be claimed on submission of graded certificate of duration of minimum 25 hours (which includes CIE and SEE)

HSMC (1 Credit Course):

Offline Mode (SFH / Kannada / CIP / EVS / IDT / SCR or any other 1 credit course):

Regular classes will be conducted as per the timetable, CIE and SEE will also be conducted through offline mode (only MCQs).

CIE (50) = IA(30) + Activities(20)

a) IA (30 Marks)

IA1 and IA2 will be conducted for 25 marks each.
IA = Average of IA1 and IA2 will be scaled up to 30 Marks

b) Activities (20 Marks)

- Assignment: 10 Marks
- Quiz / Seminar / Unit Test: 10 Marks

SEE (50): Will be conducted for 50 marks comprising of only MCQs in offline mode.

Note: To clear any subject, CIE + SEE = 40 Marks

Online mode: (SFH / EVS – Excluding Kannada / CIP / SCR)

Students can opt for equivalent online certificate course (in confirmation with the course instructor) and full credit transfer can be claimed on submission of graded certificate of duration of minimum 15 hours (which includes CIE and SEE).

CAMBRIDGE INSTITUTE OF TECHNOLOGY

An Autonomous Institution

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Format for marks entry by course instructors:

ESC / PCC / AEC(Theory) (04 or 03 or 02 Credit Courses)

Sl. No.	USN	Name of the Student	IA 1 (30 M)	IA 2 (30 M)	Imp. Test (IT)	Average of two IA (30 M)	Course Related Activities (CRA) 20 M		Total (50 M)
							Assignment (5 M)	Course Seminars / Quiz / Group Discussions / Case Studies (15 M) OR Participation of online Certificate course (15 M)	IA + CRA (30 + 20)
1									
2									
3									

BSC / IESC / IPCC / IPEC/ AEC(Practical) (04 or 03 or 2 Credit Courses):

Sl. No.	USN	Name of the Student	IA1 (20 M)	IA2 (20 M)	Imp Test (IT)	Average of two IA (20 M)	Course Related Activities (CRA) 10 M		Practical (20 M) OR Guided Project / Research Paper / Survey Reports related to the course (20 M)	Total (50 M)
							Assignment (2 M)	Course Seminars / Quiz / Group Discussions / Case Studies (8 M)		IA + CRA + Practical (20+10+20)
1										
2										
3										

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Attainment Calculations:

PCC / AEC (theory course):
CIE Attainment: 0.6 * IA Level + 0.4 * CRA Level
CO Attainment: 0.5 * CIE Level + 0.5 * SEE Level

IPCC:
CIE Attainment: 0.4 * IA Level + 0.2 * CRA Level + 0.4 * Practical Level
CO Attainment: 0.5 * CIE Level + 0.5 * SEE Level

PCCL / AEC (practical course):
CO Attainment: 0.5 * CIE Level + 0.5 * SEE Level

Legend:
ESC: *Engineering Science Course*
PCC: *Programme Core Course*
IPCC: *Integrated Programme Ccore Course*
PCCL: *Programme Core Course Lab*
AEC: *Ability Enhancement Course*
IOEC: *Integrated Open Elective Course*
HSMC: *Humanity Sciences Mandatory Course*

Lab Rubrics:

PCC Lab

Continuous Evaluation			Test	
	Parameter	Marks	Parameter	Marks
a	Regularity	2	Write up	7
b	Observation	4	Conduction / Execution	25
c	Conduction	4	Result	10
d	Viva Voce	4	Viva Voce	8
e	Record Write up	6	Total Marks	50
Total Marks		20	2 test average shall be scaled down to 30 Marks	
Minimum Marks: 10			Minimum Marks: 15	

IPCC Lab

Continuous Evaluation			Test	
	Parameter	Marks	Parameter	Marks
a	Regularity	1	Write up	8
b	Observation	2	Conduction / Execution	25
c	Conduction	2	Result	5
d	Viva Voce	2	Viva Voce	8
e	Record Write up	3	Total Marks	50
Total Marks		10	1 test at the end of the semester and the scored marks shall be scaled down to 10 Marks	
Minimum Marks: 4			Minimum Marks: 6	

Continuous Internal Evaluation (every lab session)

PCC Lab:

Parameter	Allocated Marks	Low	Medium	High
Regularity (10%)	2	Absent		Present
		0 mark		2 marks
Observation (20%)	4	The student had not come prepared with the observation book for the lab session	The student had partially completed the observation book (no circuit / no design / no procedure / no expected graphs or formulae used for calculations)	The student had come with a fully prepared observation book for the lab session
		0 mark	1 – 2 marks	3 – 4 marks
Conduction / Execution (20%)	4	The student did not complete the conduct of experiment	The student partially completed the conduct of experiment (did not note the readings properly / did not complete the necessary calculations obtain the necessary results)	The student completed the experiment and obtained satisfactory results.
		0 mark	1 – 2 marks	3 – 4 marks
Viva-voce (20%)	4	The student did not answer any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 mark	1 – 2 marks	3 – 4 marks
Record Writing (30%)	6	The record was not submitted in the lab session	The record was submitted in the lab session but was incomplete(no or wrong circuit diagram / wrong procedure / wrong tabulation or results or characteristics)	Completed record was submitted in the lab session
		0 mark	1 – 3 marks	4 – 5 marks
Total 20 Marks				
Minimum Marks 10				

Continuous Internal Evaluation (every lab session)

IPCC Lab:

Parameter	Allocated Marks	Low	Medium	High
Regularity (10%)	1	Absent		Present
		0 mark		1 marks
Observation (20%)	2	The student had not come prepared with the observation book for the lab session	The student had partially completed the observation book (no circuit / no design / no procedure / no expected graphs or formulae used for calculations)	The student had come with a fully prepared observation book for the lab session
		0 mark	1 marks	2 marks
Conduction / Execution (20%)	2	The student did not complete the conduct of experiment	The student partially completed the conduct of experiment (did not note the readings properly / did not complete the necessary calculations / did not obtain the necessary results)	The student completed the experiment and obtained satisfactory results.
		0 mark	1 marks	2 marks
Viva-voce (20%)	2	The student did not answer any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 mark	1 marks	2 marks
Record Writing (30%)	3	The record was not submitted in the lab session	The record was submitted in the lab session but was incomplete(no or wrong circuit diagram / wrong procedure / wrong tabulation or results or characteristics)	Completed record was submitted in the lab session
		0 mark	1 mark	2 - 3 marks
Total 10 Marks				
Minimum Marks 4				

Lab Internals:

PCC Lab:

Parameter	Allocated Marks	Low	Medium	High
Writeup (14%)	7	The student did not complete the writeup	The student writeup had missing details (circuit / design / tabular column / formulae / expected characteristics / procedure / programme with algorithm)	The student completed the writeup within stipulated time
		0 mark	1 – 4 marks	5 – 7 marks
Conduct / Execution (50%)	25	The student did not conduct / execute the experiment	The student partially conducted / executed the experiment (missing calculations / wrong formulae)	The student completed the conduct / execution of experiment and
		0 mark	1 - 15 marks	16 – 25 marks
Results (20%)	10	No results	Results not as expected	Obtained satisfactory results
		0 mark	1 – 5 marks	6 – 10 marks
Viva-voce (16%)	8	The student did not answer any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 mark	1 – 4 marks	5 – 8 marks
Conduct 02 tests, each of 50 marks and the average of the two tests shall be scaled down to 30 marks				
Minimum Marks 15				

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Lab Internals:
IPCC Lab:

Parameter	Allocated Marks	Low	Medium	High
Writeup (16%)	8	The student did not complete the writeup	The student writeup had missing details (circuit / design / tabular column / formulae / expected characteristics / procedure / programme with algorithm)	The student completed the writeup within stipulated time
		0 mark	1 – 4 marks	5 – 8 marks
Conduct / Execution (50%)	25	The student did not conduct / execute the experiment	The student partially conducted / executed the experiment (missing calculations / wrong formulae)	The student completed the conduct / execution of experiment and
		0 mark	1 - 15 marks	16 – 25 marks
Results (10%)	5	No results	Results not as expected	Obtained satisfactory results
		0 mark	1 – 2 marks	3 – 5 marks
Viva-voce (24%)	12	The student did not answer any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 mark	1 – 15 marks	16 – 24 marks
1 test of 50 marks is conducted at the end of the semester and obtained marks shall be scaled down to 10 marks				
Minimum Marks 6				