NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

No. Acad./Exam. /22-23/ 45

Date :January 9, 2023

NOTIFICATION

The schedule of Mid Semester Exam-II for B.Tech. 1st Semester in Academic Session 2022-23 is hereby notified in accordance with Academic Calendar for B. Tech 1st semester Notified vide ref. no. Acad./2022/1641 dated 02-11-2022

The Mid Semester Exam-II for B. Tech 1st Semester will be conducted during 16-01-2023 (Monday) to 18-01-2023 (Wednesday) in OFFLINE mode as per the decision of the Senate and letters issued from the office of the Dean(Academic) time to time. The schedule of Mid Semester Exam-II for 1st Semester, B. Tech all programmes is given below: -

(A) Schedule for B. Tech 1st Semester Mid Semester Exam-II

Date & Day	Online Test Slot	Course Code	Course Name#	Branches
16-01-2023 (Monday)	09:30 am to 10:20 am	MAIC11	Differential Calculus and Differential Equations	CE,EE,ME,PI
	10:30 am to 11:20 am			CS,EC,IT
	03:30 pm to 04:20 pm	PHIC11	Physics-I	CE,EE,ME,PI
	04:30 pm to 05:20 pm			CS,EC,IT
17-01-2023 (Tuesday)	09:30 am to 10:20 am	CHIC11	Energy and Environmental Science	CE,EE,ME,PI
	10:30 am to 11:20 am			CS,EC,IT
	12:30 am to 01:20 pm	HSIC11	Communication Skills in English	CS,EC,IT
	03:30 pm to 04:20 pm	CEIR12	Engineering Graphics	ME,PI
	04:30 pm to 05:20 pm			CE,EE
18-01-2023 (Wednesday)	09:30 am to 10:20 am	CSIC11	Problems Solving and Programming Skills-I	CS ,IT
	10:30 am to 11:20 am	CSIC13	Problems Solving and Programming Skills-II	CE,EE
	12:30 am to 01:20 pm			EC,ME,PI
	03:30 pm to 04:20 pm	HSIC12	Economics for Engineers	CE,EE,ME,PI
	04:30 pm to 05:20 pm	MEIC11	Engineering Practice	CS,EC,IT

The evaluation scheme for Audit Course, which are qualifying in nature, is already notified vide letter no Acad/ 2023/40 dated 06-01-23 . For more information, please read the letter thoroughly.

(B) Allotment of Rooms
   (I)   Examination Halls (1 & 2)   (II) A-210, A-321   (III) E-101, E-102, E-201, E-202
   More vacant rooms from **parent department of the course/other departments** may also be used in consultation with the respective HoDs as per requirement and Mid Sem Exam time table for other semesters of B. Tech programmes may be prepared accordingly.

(C) Mid Sem Exam-II Duration & Slots
   The respective course coordinator may schedule the exam with in the time slot allotted as above and complete all the process of exam within the time slot. The course coordinator may schedule Mid Semester Exam-II on any other date in case of unforeseen situation with intimation to the students concerned by email or mobile communication and under intimation to the concerned HoDs. A copy of the same may also be sent to the office of the Dean(Academic).

(D) Invigilation/Supervision duties
   Faculty members teaching the course may be assigned duties for Mid Sem Exam conduct/invigilation/supervision etc for these examinations by the respective course coordinators in consultation with the respective HoDs. However, if any department does not have sufficient faculty, the Head of concerned department may take the help of other faculty (Regular and others) from other departments.

(E) Sessional Improvement of courses under old scheme of B. Tech programmes.
   The respective course coordinator of the courses of old scheme will also conduct the Mid Sem Exam-II (Sessional Improvement-II) for the students having re-appear in the sessional of the courses for B. Tech - 2021 and previous batches as per scheme and syllabus applicable for them. The cultist for re-appear examinees (old and new scheme) having Email ID and Mobile No. of the examinees has already been sent to the respective HoDs.

Deputy Registrar (Academic)
09/01/23

Copy to:
1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. Heads of all the Departments
3. Associate Dean(Examinations)
4. Notice Boards (Institute/ Hostels through Chief Warden (Hostels))
5. Prof. I/c (CCN) with a request to upload this notification on institute website
6. Dean(Academic)/Associate Dean (Academic) for kind information
7. Sr. Secretary to Registrar for kind information of the Registrar

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. Acad./2023/ 40   Dated: 06·01·2023

The Senate in its 48th meeting held on 10th November 2022 vide agenda item no. S 48.11 approved the scheme of B.Tech. 1st year of 2022-23 batch. However, while preparing the scheme of 2nd to 4th year, there will be flexibility to restructure the scheme of B.Tech. 1st year as well for the batch of 2023-24. Further, the total credits and their break up may also be revised, if need be, while preparing the complete scheme for all four years of B.Tech., which is to be completed in one go before the start of the next session i.e. academic year 2023-24.

In view of above, the teaching scheme and evaluation scheme for B.Tech. 1st year of 2022-23 batch, attached as Annexure-A, is hereby notified for information and further necessary action at the end of all the concerned.

Dy. Registrar (Acad.)
06/01/23

Copy to:

1. AR to Director for kind information of the Director
2. All HoDs
3. Associate Dean (Exams.)
4. Sr. Secretary to Registrar

Course Structure for

B. Tech. Programmes
For Academic Year 2022-23

The Course Structure for B. Tech. Programmes shall have the following categories of courses with the breakup of credits given as under:

Sr. No.	Category	Suggested Breakup of Credits	
		No. of credits	Weightage in %age
1.	Institute Core (IC)	45	28.13
2.	Program Core (PC)	48	30
3.	Program Elective (PE)	36	22.5
4.	Open Elective (OE)	20	12.5
5.	Audit (AU)	11	6.87
	Total	154-160	100

Course category explanation:

Course category	Explanation
IC	Basic Sciences
	Engineering Arts and Sciences
	Humanities and Social Sciences
PC	Courses specific to the relevant discipline
PE	Elective Courses specific to the relevant discipline
OE	Elective Courses from any domain
AU	Courses only qualifying in nature

06/01/23

SEMESTER-WISE STRUCTURE OF CURRICULUM

SEMESTER -I

Sr. No.	Course Category	Course Title	Course code	Lecture (L) / Tutorial (T) / Practical (P) per week			Credits
				L	T	P	
1.	IC	Communication Skills in English (for CoE, IT, ECE)	HSIC 11	2	0	2	3
		Economics for Engineers (for EE, CE, ME & PIE)	HSIC 12	2	1	0	
2.		Differential Calculus and Differential Equations	MAIC 11	3	1	0	4
3.		Physics-I	PHIC 11	2	1	2	4
4.		Engineering Graphics (for CE, EE, ME, and PIE)	CEIC 11	1	0	3	2
		Engineering Practice (for CoE, IT, and ECE)	MEIR 11	1	0	3	
5.		Problems Solving and Programming Skills-I (for CoE & IT)	CSIC 11	3	0	2	4
		Problems Solving and Programming Skills-II (for CE, EE, ME, ECE. PIE)	CSIC 13				
6.		Energy and Environmental Science	CHIC 11	2	0	2	3
7.	AU	Any one subject from Group-I (for CoE, IT, and ECE)	**AU##	2	0	0	2#
		Any one subject from Group-II (for CE, EE, ME, and PIE)	**AU##	2	0	0	
8.		NCC/NSS/Yoga	SWAU 11	0	0	2	1*
9.		Sports/Clubs/Technical Societies	SWAU 12	0	0	2	1*
		Total					**22**

* Continuous Evaluation Model as per guidelines and the credit to be awarded at the end of 6th Semester based on Cumulative performance upto 6th Semester.

Minimum number of students required to register for the subject to be offered is 50 and maximum number is 80 in one lecture group, limited to only 2 lecture groups for any subject.

** Two letters signifying the Department offering the course

Two digits indicating course number

06/01/23

SEMESTER-II

Sr. No.	Course Category	Course Title	Course Code	Lecture (L) / Tutorial (T) / Practical (P) per week			Credits
				L	T	P	
1.	IC	Communication Skills in English (for EE, CE, ME & PIE)	HSIC 11	2	0	2	3
		Economics for Engineers (for CoE, IT, ECE)	HSIC 12	2	1	0	
2.		Integral Calculus and Difference Equations	MAIC 12	3	1	0	4
3.		Physics-II (for CE, ME, and PIE)	PHIC 12	2	1	2	4
		Physics-II (for EE, and ECE)	PHIC 13	2	1	2	
		Digital System Design (for CoE & IT)	CSIC 12	3	1	0	
4.		Engineering Graphics (for ECE)	CEIC 11	1	0	3	2
		Engineering Practice (for CE, EE, ME, and PIE)	MEIR 11	1	0	3	
		Engineering Graphics (Web Designing) (for CoE and IT)^	CSIC 14	1	0	3	
5.		Chemistry (for CE, ME, and PIE)	CHIC 12	2	1	2	4
		Chemistry (for EE, and ECE)	CHIC 13	2	1	2	
		Programming using Python (for CoE & IT)	CSIC 16	3	0	2	
6.	AU	Any one subject from Group-I (for CE, EE, ME, and PIE)	**AU##	2	0	0	2#
		Any one subject from Group-II (for CoE, IT, and ECE)	**AU##	2	0	0	
7.		NCC/NSS/Yoga	SWAU11	0	0	2	1*
8.		Sports/Clubs/Technical Societies	SWAU 12	0	0	2	1*
9.	PC	*Programme specific course*	**PC##	3	0/1	2/0	4
		Total					23

* Continuous Evaluation Model as per guidelines and the credit to be awarded at the end of 6th Semester based on Cumulative performance upto 6th Semester.

^ Treated as a practical course (not integrated), evaluation will be as per practical course

Minimum number of students required to register for the subject to be offered is 50 and maximum number is 80 in one lecture group, limited to only 2 lecture groups for any subject.

** Two letters signifying the Department offering the course

Two digits indicating course number

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LIST OF AUDIT COURSES:

Group	Course	Course Code
I	Human Values and Social Responsibility	HSAU 11
	Sanskrit Language Skills	HSAU 12
	Hindi Language Skills	HSAU 13
	Telugu Language Skills	HSAU 14
	Constitution of India	HSAU 15
	Vedic Mathematics	MAAU 11
II	Indian Knowledge Systems	HSAU 16
	Teachings of Gita	HSAU 17
	French Language Skills	HSAU 18
	German Language Skills	HSAU 19
	Japanese Language Skills	HSAU 20
	Thought Lab.	HSAU 21
III	NCC/NSS/Yoga	SWAU 11
	Sports/Clubs/Technical Societies	SWAU 12

NOTE: *The examination / evaluation of the theory / practical / integrated courses is proposed to be as per the existing scheme. However, the attendance component of the awards (10 marks) is proposed to be merged with the Mid Sem. tests/Viva-voce marks, while the Assessment on Indian Knowledge System through report/Viva-voce will be part of Teacher assessment component of marks and this component will be renamed as Teacher & IKS Assessment for theory courses.*

06/01/23

Evaluation Scheme for B.Tech. programmes

(Applicable for the students admitted in academic year 2022-23 only)
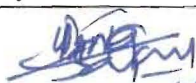
		SUB-COMPONENT	Weightage
(a)		**Theory Courses**	
	1	Two Mid Semester Exams.	20+20=40
	2	Teacher & IKS Assessment (through viva-voce, Home Assignments, on the Spot tests, Short Quizzes etc.)	10
	3	End Semester Examination	50
(b)		**Practical Courses**	
	1	Mid Semester Evaluation (to be conducted in regular Practical Classes)	40
	2	Teacher Assessment (through viva-voce, lab. reports & class work etc.)	20
	3	End Semester Examination	40
(c)		***Integrated Courses (L/T+P)**	
	1	Internal evaluation of theory and practical component of course	50
	2	End semester evaluation of theory and practical component of course	50
(d)		For Seminars, Projects, Training, Comprehensive viva, General Fitness evaluation, the weightage will be decided by Departmental Review/Academic Committees.	
(e)		For Audit Courses, the evaluation will be done in the ongoing classes throughout the semester on a regular basis through assignments/quizzes/viva-voce etc. by respective teachers. These courses being qualifying in nature; the student will be awarded A+ grade on qualifying the course. The student who fails to qualify, will be awarded D grade in the course and he/she will have to qualify the course in the subsequent semesters as re-appear candidate. The re-appear in Audit Course will not be counted towards for the purpose of progression to 5th & 7th semesters.	

Note: *The students must get minimum 40% marks separately in internal and external component of the course to qualify. In audit courses also the student must get minimum 40% marks to qualify the course.*

* Evaluation process and guidelines will be followed as per Annexure-A appended herewith.

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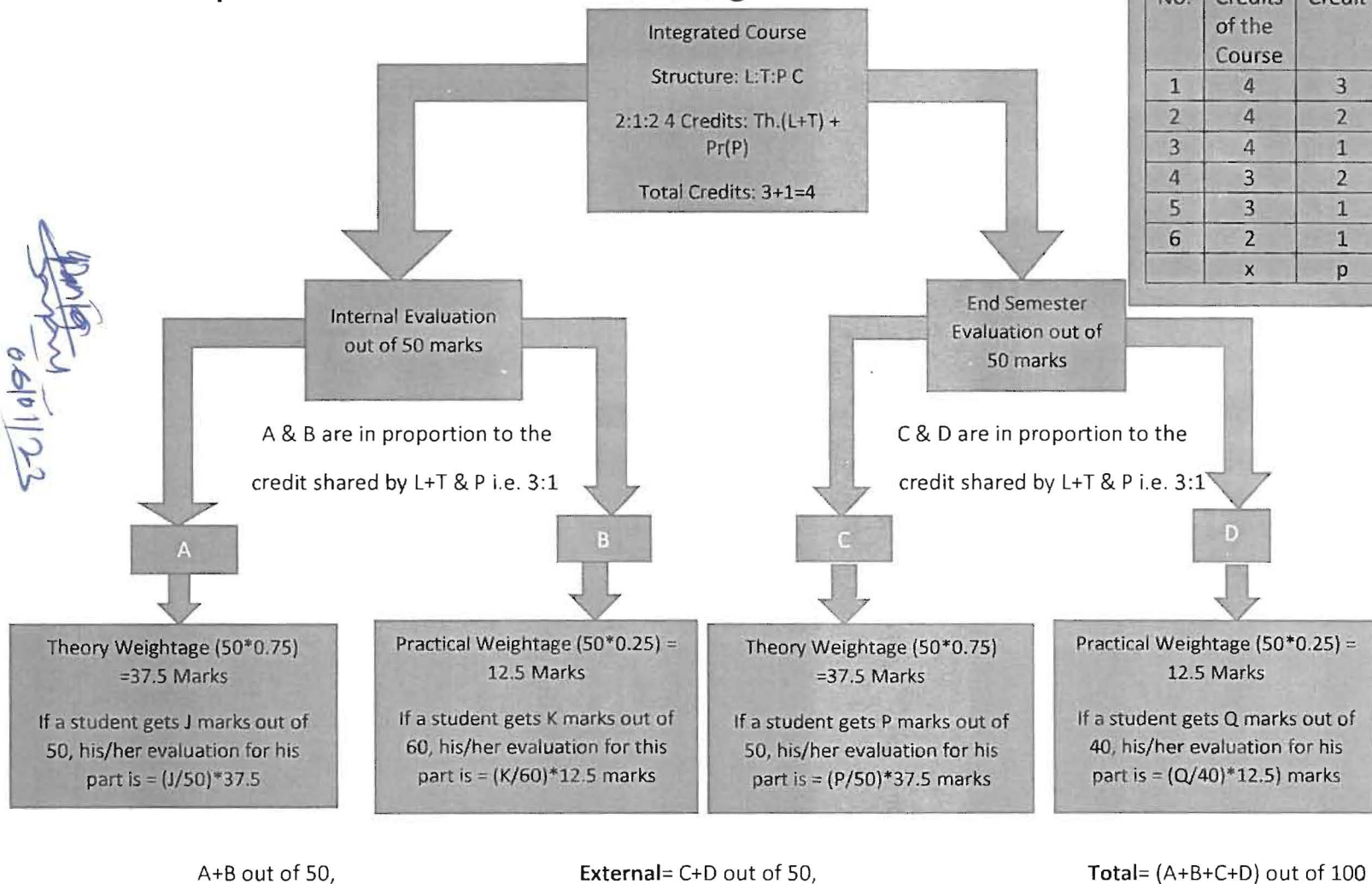| Sr.No.	Important points related to evaluation	Definitions/Process to be followed
1.	Integrated Courses	Where Theory (T) and/or Tutorial (T) and Practical (P) are integral part. The course no. is unique for theory and practical portion. The L T P structure would be 2 1 2, 2 0 2 or similar having credits as 3:1, 2:1 or similar.
2.	Detention Cases	Where total attendance of Theory, Tutorial and Practical parts is less than minimum required attendance (<75%)
	2.1	The students having less than minimum required attendance (i.e. less than 75%) are declared Detained.
	2.2	The detained students having attendance less than 50% have to compulsorily repeat such course with junior batch
	2.3	The detained students having attendance ≥ 50% but < 75% have two options, as (i) Repeat Theory and Practical part of the course (ii) Opt 'D' Grade in the course. For this, students are required to fill up the relevant form available at Institute website. Students will be allowed to appear in the end semester exam. (theory as well as practical), but after clearing, he/she will be awarded only 'D' grades.
3.	Evaluation Process	(i) Internal Evaluation (50 marks) (ii) End Sem. Evaluation (50 marks)
Sample example for evaluation process is enclosed as Annexure-I.	3.1	Internal Evaluation of 50 marks is further having weightage of Theory and Practical parts according to Credit assigned to them. Thus 50 marks of internal component of Theory part and 60 marks of Internal component of Practical part are mapped into 50 marks each and then their weightage is computed as per the ratio of credits shared by them.
	3.2	External Evaluation of 50 marks is similarly having weightage of Theory and Practical parts according to Credit assigned to them. Thus 50 marks of External component of Theory and 40 marks of External component of Practical are mapped into 50 marks each and then their weightage is computed as per the ratio of credits shared by them.
4.	Passing the Course 4.1	To pass Internal components, the student must secure 40% marks out of 50 marks i.e. 20 marks.
	4.2	To pass External components, the student must secure 40% marks out of 50 marks i.e. 20 marks and the student should not remain absent in End semester exam of Theory and Practical part.
	4.3	If a student remains absent in End semester exam. of Theory and/or Practical part, then he/she will be declared re-appear in End Sem. Evaluation irrespective of total marks obtained. In such case, he/she has to re-appear in End Sem. Exam. of Theory as well as Practical part.

	Award of Grades	The Grades in the courses shall be awarded on the basis of total marks obtained in Internal Evaluation and End Sem. Evaluation if not opted for D grade as per 2.3 (ii).
5.	Re-appear	(I) Reappear in Internal Evaluation (Theory and Practical) (E) Reappear in End Sem. Evaluation (Theory and Practical)
	5.1	The student who is not detained and scores less than 40% marks in Internal evaluation shall be declared re-appear in Internal component, in such case, the student must re-appear as sessional improvement in Theory as well as Practical part of the course.
	5.2	The student who is not detained, scores less than 40% marks in End Semester evaluation and not appeared in End Semester Evaluation of Theory or Practical or both shall be declared re-appear in End Semester Component. In such case, the student must re-appear in End Sem. Exam. of Theory as well as Practical part of the course.

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Annexure-I

Example of Evaluation Procedure for Integrated Courses

Integrated Course

Structure: L:T:P C

2:1:2 4 Credits: Th.(L+T) + Pr(P)

Total Credits: 3+1=4

Table of Multiplying Factor for theory and practical components according to Credit D					
Sr. No.	Total Credits of the Course	Theory Credit	Practical Credit	Theory Multiply Factor	Practical Multiply Factor
1	4	3	1	3/4 =0.75	1/4 = 0.25
2	4	2	2	2/4 = 0.50	2/4 = 0.50
3	4	1	3	1/4 = 0.25	3/4 =0.75
4	3	2	1	2/3 = 0.66	1/3 = 0.33
5	3	1	2	1/3 = 0.33	2/3 = 0.66
6	2	1	1	1/2 = 0.50	1/2 = 0.50
	x	p	q	p/x	q/x

Internal Evaluation out of 50 marks

A & B are in proportion to the credit shared by L+T & P i.e. 3:1

End Semester Evaluation out of 50 marks

C & D are in proportion to the credit shared by L+T & P i.e. 3:1

A

B

C

D

Theory Weightage (50*0.75) =37.5 Marks

If a student gets J marks out of 50, his/her evaluation for his part is = (J/50)*37.5

Practical Weightage (50*0.25) = 12.5 Marks

If a student gets K marks out of 60, his/her evaluation for this part is = (K/60)*12.5 marks

Theory Weightage (50*0.75) =37.5 Marks

If a student gets P marks out of 50, his/her evaluation for his part is = (P/50)*37.5 marks

Practical Weightage (50*0.25) = 12.5 Marks

If a student gets Q marks out of 40, his/her evaluation for his part is = (Q/40)*12.5) marks

A+B out of 50,   **External**= C+D out of 50,   **Total**= (A+B+C+D) out of 100

Evaluation and Grading System

The student will be awarded Letter Grade which indicates the level of performance in a course and has a Grade Point for the purpose of computing the Cumulative Grade Point Average (CGPA) as per the tables given below:

All Courses (except Audit Courses)

Marks obtained & Grade	Performance	Grade Point
$85 \leq A+ \leq 100$	Excellent	10
$75 \leq A < 85$	Very Good	09
$65 \leq B < 75$	Good	08
$50 \leq C < 65$	Average	06
$40 \leq D < 50$	Pass	04
$0 \leq F < 40$	Re-appear	00

Audit Courses

Marks obtained & Grade	Performance	Grade Point
$40 \leq A+ \leq 100$	Satisfactory	10
$0 \leq F < 40$	Re-appear	00

A student who earns an F Grade in a course shall have to re-appear in that course in the subsequent examination (s).

The CGPA is the weighted average of all the grades and computed as follows:

CGPA $= \sum C_i G_i / \sum C_i$

The C_i denotes credits assigned to i^{th} course and G_i indicates the Grade Point equivalent to the Letter Grade obtained by the student in the ith course.

Note:

The Percentage of marks obtained by a student be calculated as = CGPA multiplied by 9.00.

06/01/23

Attendance requirement for being eligible to appear in the end semester examinations

Minimum requirement of attendance for being eligible to appear in the end semester examinations shall be 75%.

However, this may be relaxed upto a maximum of 10% i.e. upto 65% by the Director. An extra relaxation of upto 5%, over and above the already existing relaxation of a maximum of 10%, may be granted by the Director under special circumstances, on the specific recommendations of concerned HoD/School Coordinator, to meet the minimum attendance requirement of 75%. Those having attendance below 65% are not allowed to appear for the end-semester examination of that/those course (s) and shall be notified as 'Detained'. All such students, depending upon their attendance shall be further categorized into two categories A & B, as follows:

Category A:	(Attendance between 50 % to 64 %) A student has two options
Option 1:	To repeat the course through classroom/lab studies and obtain whatever grade he/she can obtain
Option 2:	He/She is permitted to attend classes of the next semester and can appear for the mid-semester examinations of that/those course(s) when the opportunity is available. However, such student is restricted to a grade of 'D' only.
Category B:	(Attendance below 50%) Such students have to mandatorily repeat that/those course (s).

A Tabular presentation is given below:

Attendance	Course of Action
75%or more	Eligible to appear for the End- semester examination
65% - 74%	Eligible to appear for the End- semester examination with the permission of the Director
50% - 64%	Detained Two options a) Repeat the course (s) through classroom / lab teaching b) To appear for mid-semester examination in that/those course(s) and settle for a max of 'D' grade
Below 50%	Detained To repeat classes

06/01/23