Jan 2025 TERM GRADING DOCUMENT

The following is the schedule of the 2 quizzes and final exam which students have to attend in person at centres across the country and outside India.

Quiz 1	Quiz 2	End term exam
Sunday, February 23, 2025	Sunday, March 16,2025	Sunday, April 13,2025
2pm-6pm*	2pm-6pm*	9am-12pm, 2pm-5pm
In person In centres	In person In centres	In person In centres

*(If required and, we will do a morning session for the quiz)

The following is the schedule of programming exams which will be conducted in remote proctored online mode.

OPPE1 Day1	OPPE1 Day2	OPPE2 Day 1	OPPE2 Day 2	OPPE2 Day 3	OPPE2 Day 4
Saturday, March 1,2025	Sunday, March 2,2025	Saturday, March 29,2025	Sunday, March 30,2025	Saturday, April 5,2025	Sunday, April 6,2025
Dip - MLP Deg - C prog	FL - Python Dip - Java,TDS	Dip - SC	Dip - DBMS PDSA Java MLP C prog	Dip - Exceptions SC Java PDSA	FL - Python Dip - Exceptions alone (DBMS, Java, PDSA) Deg - Big Data

*The actual timings of the various sessions will be informed and allocated to you closer to the date of the exam.

Eligibility to appear for the OPPE 1:
Student has to complete the OPPE System Compatibility Test (SCT) exam
SoP for the SCT Exam is as follows: Click Here for OPPE SCT SoP Document
OPPE1 will not be scheduled for students who fail to complete the OPPE SCT exam.

Eligibility to appear for the OPPE 2:
Most courses have eligibility criteria to attend the final exam.
In case you do not become eligible to write the final exam, OPPE2 will also not be scheduled for you as you will be awarded WA/WQ grade and anyway have to repeat the entire course the next time including all assessment components.

ASSIGNMENT DEADLINES:

NONE OF THE ASSIGNMENT DEADLINES WILL BE CHANGED THIS TIME FROM THE SCHEDULE GIVEN BELOW.

THE DATES HAVE BEEN SUFFICIENTLY ADJUSTED FOR ACCOMMODATING THE QUIZZES AND OPPES.

	Content Release Dates	Assignment deadlines Foundation	Assignment deadlines Diploma & Degree
Week 1	**Friday, January 10, 2025**	Wednesday, January 22, 2025	Sunday, January 26, 2025
Week 2	Friday, January 17, 2025	Wednesday, January 29, 2025	Sunday, January 26, 2025
Week 3	Friday, January 24, 2025	Wednesday, February 5, 2025	Sunday, February 2, 2025
Week 4	Friday, January 31, 2025	Wednesday, February 12, 2025	Sunday, February 9, 2025
Week 5	Friday, February 7, 2025	Wednesday, February 19, 2025	Sunday, February 16, 2025
Week 6	Friday, February 14, 2025	Wednesday, February 26, 2025	Sunday, March 2, 2025
Week 7	Friday, February 21, 2025	Wednesday, March 5, 2025	Sunday, March 2, 2025
Week 8	Friday, February 28, 2025	Wednesday, March 12, 2025	Sunday, March 9, 2025
Week 9	Friday, March 7, 2025	Wednesday, March 19, 2025	Tuesday, March 23, 2025
Week 10	Friday, March 14, 2025	Wednesday, March 26, 2025	Sunday, March 30, 2025
Week 11	Friday, March 21, 2025	Wednesday, April 2, 2025	Sunday, March 30, 2025
Week 12	Friday, March 21, 2025	Wednesday, April 9, 2025	Sunday, April 6, 2025

Week 7 - eligibility for final exams for most courses depends on the average assignment scores of best 5 out of the first 7 weeks. The dates are highlighted in green here.
Week 11 - GAA score for final grade will be taken and calculated

Bonus Marks

Course Participation Marks are for encouraging and incentivising the students to participate more in the activities of the course.
These marks will be added **ONLY** for the students who pass the course and will only impact the course grade, **and not the pass criteria**. Criteria for course participation marks:

Marks will be applicable based on availability of mock activities in the course. It can vary from course to course and can range from 0-2.

- If the average of the marks obtained in all the-mock tests conducted before Quiz 1 & Quiz 2 >= 40/100, students will get 2 marks. The mock tests have to be done within the time specified.
- The course team may set up additional activities in the course which will be eligible for upto 3 bonus marks. If no additional activities are set up, this bonus wont be applicable.

Participation in the discourse forum: Badges

We will be looking at active engagement with Discourse in a term and provide badges for participation.

Badges will be given based on the number of hours a student spends on Discourse. A student is expected to spend a minimum of 1 hour per week per course in Discourse reading posts.

Student will get the following badges:

Read time of upto 4 hours per course in a term: Badge 1

Read time of upto 8 hours per course in a term: Badge 2

Read time of upto 12 hours per course or more: Badge 3

(Applicable only after you get the BS student roll number)

Information about course grades:

S,A,B,C,D,E - Pass grade; U/WA/WQ - Fail grade I - Incomplete

In I grade - there are 3 types:

a. If you are absent for ET alone with all other assessment components completed (quizzes, OPPEs, project, weekly assignments) - grade will be pushed as I.
   Options: You can register to take up ET exam alone in the subsequent term. OPPE and quizzes will **not** be scheduled for you. All other marks for Final course score will be taken from the previous run.
b. If you have failed in the OPPE but wrote the ET exam and crossed the cutoff for T as given in the course grading policy, grade = I_OP.
   You can register to do the OPPE alone whereby if the course has one OPPE, that will be scheduled. If the course has 2 OPPEs, both will be scheduled for you. You can attempt the OPPE alone. All other mark components of FInal course score will be taken from the previous run. ET and quizzes will not be scheduled for you.
c. If you have failed in the OPPE and absent for ET, then grade = I_BOTH
   You can register to ET and OPPEs alone. If the course has one OPPE, that will be scheduled. If the course has 2 OPPEs, both will be scheduled for you. You will attempt the ET and OPPEs. Quiz and GAA and other components will be taken from the previous run and not scheduled.

In all the above cases, you can also choose to Repeat the entire course and not just do the ET/OPPE alone if you want to reattempt all assessment components.

Suggested pathway to register and study Foundation level courses:

4 terms	Term1	Term2	Term3	Term4
	English 1	Stats 1	Math 2	Python
	Maths 1	CT	English 2	Stats 2
3 terms	**Term1**	**Term2**	**Term3**	Recommended when doing another program - and if you have some foundations in Maths/programming
	English 1	Stats 1	Stats 2	
	Maths 1	Maths 2	Python	
	CT	English 2		
2 Terms	**Term1**	**Term2**		
	English 1	English 2	Recommended **only** for learners doing this program Full time or learners who are strong in Maths/programing	
	Maths 1	Maths 2		
	CT	Python		
	Stats 1	Stats 2		

For those entering Foundation Level in MAY 2024 or after, kindly go through the new rules: 4/6/8 courses to be completed in 4/6/9 terms. Else you will be removed from the program.

Foundation level courses

1. Mathematics for data science 1

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to obtain the final course grade: Attending the end term exam

The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2)

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

2. English 1

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes
Eligibility to obtain the final course grade: Attending the end term exam
The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam
T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2)

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

3. Computational Thinking

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes
Eligibility to obtain the final course grade: Attending the end term exam
The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam
T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2)

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

4. Statistics for data science 1

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes
Eligibility to obtain the final course grade: Attending the end term exam
The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam
Extra activity - will be defined in the course on the portal
T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2) +
Bonus marks for Extra activity - capped to 5

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

Bonus marks for course specific activity: 5 marks in total - 3.75 marks for weekly extra activity + 1.25 marks based on the quality of activity (Instructors' and Faculty's discretion)

Extra Activity for Statistics- I Assignment Deadline
Note: If a student does not complete the required number of peer reviews, he/she will be awarded 0 marks for that activity even if he/she submitted the activity.

Extra activity	Release date for extra activity	End date of submission	End date for peer review
Extra Activity 1	Friday, February 21, 2025	Wednesday, March 5, 2025	Sunday, March 9, 2025
Extra Activity 2	Friday, February 21, 2025	Wednesday, March 5, 2025	Sunday, March 9, 2025
Extra Activity 3	Friday, March 7, 2025	Wednesday, March 19, 2025	Sunday, March 23, 2025
Extra Activity 4	Friday, March 21, 2025	Wednesday, April 2, 2025	Sunday, April 6, 2025

5. Mathematics for data science 2

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes
Eligibility to obtain the final course grade: Attending the end term exam
The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam
T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2)

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

6. English 2

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes
Eligibility to obtain the final course grade: Attending the end term exam
The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam

T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2)

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

7. Intro to python programming

Quiz 1: February 23 2025 **Quiz 2: No Quiz 2** **End term: April 13 2025**

OPPE1: Sunday, March 2, 2025
OPPE2: Sunday, April 6, 2025

Depending on your eligibility for OPPE1 & OPPE2, you will be allocated one of the 3 slots by the team. Please keep yourself free on the dates given.

Eligibility for Bonus:

Only if you do the SCT, will the bonus be applicable to you and added to your final course score. Even if you attend the mock tests, only if you do the sct, you will get the bonus.

Eligibility to appear for the OPPE 1:

Student has to complete the OPPE System Compatibility Test (SCT) exam
SoP for the SCT Exam is as follows: Click Here for OPPE SCT SoP Document
OPPE1 will not be scheduled for students who fail to complete the OPPE SCT exam.

Eligibility to appear for the OPPE 2:

If the Average of the scores of the best 5 out of the first 7 Weekly programming assignments (GrPA) >= 40/100
AND
Average of the best 5 out of the first 7 weekly assessments (objective and programming) scores >= 40/100
then we will schedule the OPPE2 for you. If you do not satisfy this, we will not schedule OPPE2 for you.

Eligibility to appear for the end term exam is as follows:

Average of the best 5 out of the first 7 weekly assessments (objective and programming) scores >= 40/100

Eligibility to obtain the final course grade: Both the conditions below should be satisfied.

a. Attending the end term exam AND
b. Minimum score to be obtained in one of the programming exams (OPPE1, OPPE2) should be >= 40/100 -

The calculation of Final course Score for eligible students is as follows:

GAA1 = Average score in Best 10 objective assignments out of First 11 graded objective assignments
GAA2 = Average score in Best 10 programming assignments out of First 11 graded programming assignments
Qz1 = score in Quiz I (0, if not attempted) - in centre
PE1 = score in OPPE1 (0, if not attempted) - programming exam 1
PE2 = score in OPPE2 (0, if not attempted) - programming exam 2
F = score in final exam

T = 0.1 GAA1 (objective) + 0.1GAA2 (programming) + 0.1Qz1+ 0.4F+ 0.25 max(PE1, PE2) + 0.15 min(PE1, PE2) — capped to 100

	OPE1/ OPE2	ET	T	Grade	Possibilities for student
1.	Absent	Absent	-	U	Repeat the course.
2.	Absent	Present	>=35	I_OP	Complete OPE alone in next term;Both oppes will be scheduled. GA, quiz and ET marks will be carried over OR Repeat the entire course
3.			<35	U	Repeat the entire course
4	Present score< 40/100	Present	>=40	I_OP	Complete OPE alone in next term, Both oppes will be scheduled. GA, quiz and ET marks will be carried over OR Repeat the entire course
5			<40	U	Repeat the entire course
6		Absent	-	I_BOTH	Complete ET and OPE in next term, Both oppes will be scheduled. GA and quiz marks will be carried over OR Repeat the entire course
7	Present Score > 40/100	Absent	-	I	Complete ET alone in next term; OPPE will NOT be scheduled. GA, quiz and OPPE marks will be carried over OR Repeat the entire course
8		Present			Grade as per the Total score T

8. Statistics for data science 2

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes
Eligibility to obtain the final course grade: Attending the end term exam

The calculation of Final course Score for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam
T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2) +
Bonus marks for Extra activity - capped to 5

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

Bonus marks for course specific activity: 5 marks in total - 3.75 marks for weekly extra activity + 1.25 marks based on the quality of activity (Instructors' and Faculty's discretion)

Extra Activity for Statistics- II Assignment Deadline

Note: If a student does not complete the required number peer review, he will be awarded 0 marks for that activity even if he/she submitted the activity.

Extra activity	Release date for extra activity	End date of submission	End date for peer review
Extra Activity 1	Friday, January 10, 2025	Wednesday, January 22, 2025	Sunday, January 26, 2025
Extra Activity 2	Friday, January 24, 2025	Wednesday, February 5, 2025	Sunday, February 9, 2025
Extra Activity 3	Friday, February 7, 2025	Wednesday, February 19, 2025	Sunday, February 23, 2025
Extra Activity 4	Friday, February 21, 2025	Wednesday, March 5, 2025	Sunday, March 9, 2025
Extra Activity 5	Friday, March 7, 2025	Wednesday, March 19, 2025	Sunday, March 23, 2025

Diploma Level courses

Suggested pathway to register and study Diploma level courses:

1. **Most aggressive pathway - completing in 4 terms** - ONLY IF YOU ARE DOING THIS AS FULL TIME AND NOTHING ELSE AND CAN SPEND **70 HRs PER WEEK** MINIMUM
2. **Comfortable pathway - 6 terms - 2 years** : Suggested for students and working professionals doing this along with another degree or their job (40hrs/week)
3. **Those from non technical backgrounds, new to programming or have busy schedules**, recommended to take 6 or 7 terms for the 2 diplomas.
4. Same sequence of courses are suggested if you are taking only the Diploma in programming or Diploma in DS separately too.

Maximum number of terms to complete both Diplomas: 12

For MLT, MLF is a co-requisite. For MLP, MLT is a pre-req.
For App dev 1 proj, App dev 1 Th is coreq.
For App dev 2 Theory, App dev 1 proj is a co-req.

7 terms	**Term1**	**Term2**	**Term3**	**Term 4**	**Term 5**	**Term 6**	**Term 7**
	DBMS	MAD 1 Th	Mad 1 Proj		BDM Th	BDM Proj	Java
	PDSA	MLF	MLT	MLP	MLP proj	BA	TDS
			SC	Mad 2 Th	Mad 2 pro		
	8c	8c	9c	6c	8c	6c	7c
6 terms	**Term1**	**Term2**	**Term3**	**Term 4**	**Term 5**	**Term 6**	
	DBMS	MAD 1 Th	Mad 1 Proj	BDM Th	BDM Proj	TDS	
	PDSA	MLF	MLT	MLP	MLP proj	BA	
		SC	Mad 2 Th	Mad 2 pro	Java		
	8c	11c	10c	10c	8c	7c	
5 terms	**Term1**	**Term2**	**Term3**	**Term 4**	**Term 5**		
	DBMS	MAD1 Proj	MAD2 Proj	BDM Proj	MLP proj		
	MAD1 Theory	MAD2 Theory	MLT	MLP	BA		
	PDSA	MLF	BDM Th	Java	SC, TDS		
	12c	10c	10c	10c	12c		
4 terms	**Term1**	**Term2**	**Term3**	**Term4**			
	DBMS	MAD1 Proj	MAD2 Proj	Java			
	MAD1 Theory	MAD2 Theory	BA	SC			
	MLF	BDM Theory	BDM Proj	TDS			
	PDSA	MLT	MLP	MLP Proj			
	16c	14c	12c	12c			

Even with a relaxed pathway, you should complete in a maximum of 7 or 8 terms.

The new rules for those entering Diploma Level from May 2024 onwards:

- **Complete minimum of 3 courses and 1 project in every 3 terms, which means the**
  - **The slowest you can go is 3 courses and 1 project in 3 terms (1 year), 6 courses and 2 projects in 6 terms (2 years), 9 courses and 3 projects in 9 terms (3 years) and 12 courses and 4 projects in 12 terms (4 years).**
- **At the end of 3 terms, if you do not complete 3 courses and 1 project you will be given warning. At the end of 6/9/12 terms if you do not complete 6/9/12 courses and 2/3/4 projects, you will be removed from the program.**

If you wish to do the Diploma in programming and Diploma in data science one after the other and not mix up the courses, here are the suggested pathways.

Dip in Prog separately				
	Term 1	**Term 2**	**Term 3**	**Term 4**
2 terms	DBMS	App Dev 2 Th		
	App Dev 1 Th	App Dev 2 Proj		
	PDSA	SC		
	App Dev 1 proj	Java		
3 terms	DBMS	App Dev 1 proj	App dev 2 proj	
	App Dev 1	App Dev 2 Th	Java	
		PDSA	SC	
4 terms	App Dev 1	App Dev 2	PDSA	Java
	DBMS	App Dev 1 proj	App Dev 2 proj	SC
Dipl in DS separately				
	Term 1	**Term 2**	**Term 3**	**Term 4**
2 terms	MLF	MLP		
	MLT	BA		
	BDM	TDS		
	BDM project	MLP proj		
3 terms	MLF	MLP	BA	
	MLT	BDM	MLP proj	
		TDS	BDM proj	
4 terms	MLF	MLT	MLP	BA
	BDM	BDM proj	TDS	MLP proj

OPPE SCHEDULE (Jan 2025 TERM)									
Exam	**Timing**	**Python**	**DBMS**	**PDSA**	**Java**	**SC/Linux**	**MLP**	**C**	**Intro to Big Data**
Saturday, March 1, 2025									
OPPE1 (Day 1)	07:00 PM to 09:00 PM						1A	1A	
Sunday, March 2, 2025									
OPPE 1 (Day 2)	09:30 AM to 11:30 AM	1A							
	09:30 AM to 11:00 AM				1A				1A
	01:30 PM to 03:30 PM	1B							
	04:30 PM to 06:30 PM	1C							

Saturday, March 29, 2025									
OPPE 2 (Day 2)	07:00 PM to 09:00 PM					2A			
Sunday, March 30, 2025									
OPPE 2 (Day 1)	09:30 AM to 11:00 AM		2A						
	09:30 AM to 11:30 AM			2A					
	01:30 PM to 03:00 PM				2A				
	01:30 PM to 03:30 PM			2B					
	04:30 PM to 06:30 PM						2A	2A	

Saturday, April 5, 2025

OPPE 2 (Day 3)	07:00 PM to 09:00 PM					**2B**			
Sunday, April 6, 2025									
OPPE 2 (Day 4)	09:30 AM to 11:00 AM		**2B**						
	09:30 AM to 11:30 AM	**2A**							
	01:30 PM to 03:00 PM				**2B**				
	01:30 PM to 03:30 PM	**2B**		**2C**					
	02:00 PM to 06:00 PM								**2A**
	04:30 PM to 06:30 PM	**2C**							

IMPORTANT

1. **Python exams** will be scheduled for the students in one of the 3 slots given here. Please keep yourself available on that date.

2. **OPPEs for all Diploma courses will be scheduled in the following way:**

a. If you have 2 courses with OPPEs, both will be scheduled on Sunday, March 30, 2025 .

b. If you have 3 courses with OPPEs, OPPEs for 2 courses will be scheduled on Sunday, March 30, 2025 and OPPE for 1 course will be scheduled on Sunday, April 6, 2025 .

c. If you have 4 courses with OPPEs, OPPEs for 2 courses will be scheduled on Sunday, March 30, 2025 and OPPE for the other 2 courses will be scheduled on Sunday, April 6, 2025.

Only if you have a conflicting engagement on March 29 2025, which cannot be changed or moved and you submit a request to us with proof, we will check the proofs and if found valid, we will make changes to the above allocation. Since both March 29 2025 and April 6 2025 are Sundays, please ensure you keep it free, especially as per the time slots given here for giving the exams.

3. Pattern for OPPE for System Commands has changed from previous terms - Please check.

Feb 28 (Tentative): We will release the slots for OPPE 1 & Dates for OPPE 2 allocated for each student for their registered subjects . If eligibility is specified as part of the grading document to attend the exam and if you are eligible, exam will be scheduled as per the slots allocated.
Please choose courses for the Jan 2025 term keeping all these points in mind.

Diploma level courses

1. Machine Learning foundations (DS Diploma)

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centers.

Eligibility to attend final exam: Average of the best 5 out of the first 7 weekly assignment scores >= 40/100 and attending at least one of the 2 quizzes in the center
Eligibility to get the final course grade: Attending the end sem exam

The calculation of Final course score is proposed as follows:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam
Overall score for eligible students:
T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2)

(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence, please practice and submit W12 assignment).

2. Machine Learning Techniques (Diploma in DS)

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to attend the end term exam: Average of the best 5 out of the first 7 weekly assessments (objective) scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get the course grade: Attending the end sem exam

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam
Total course score T = 0.1 GAA for Weekly MCQ + 0.4F + Max(0.25 Qz1 + 0.25 Qz2, 0.4max(Qz1,Qz2))
(Though the W12 assignment score is not included in GAA, W12 contents will be included for the final exam. Hence please practice and submit W12 assignment).

Bonus of 3 marks there for the Programming Assignment Submission and average of all assignments should be >= 40.

3. Machine Learning Practice (Diploma in DS)

Quiz 1: February 23 2025 ~~**Quiz 2: No Quiz 2**~~ **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to attend the end term exam: Average of the best 5 out of the 7 weekly assessments (objective and programming) scores >= 40/100
Eligibility to get the course grade: Attending the end sem exam AND one programming exam with score in programming exam >= 40/100

Eligibility to appear for the OPPE 1:
Student has to complete the OPPE System Compatibility Test (SCT) exam
SoP for the SCT Exam is as follows: Click Here for OPPE SCT SoP Document
OPPE1 will not be scheduled for students who fail to complete the OPPE SCT exam.

Online programming exam 1: – (OPE1) **Saturday, March 1, 2025**
Online programming exam 2: – (OPE2) **Sunday, March 30, 2025**
GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
OPE1 - Score in online remote proctored programming exam
OPE2 - Score in online remote proctored programming exam
NPE1, NPE2 - Score in Non proctored programming exam
F = score in final exam

Total course score T = 0.1GAA + 0.35F+ +0.20 OPE1 + 0.20 OPE2 + 0.15 Qz1 + Bonus (0.025 NPE1 + 0.025 NPE2)

	OPE1/OPE2	ET	T	Grade	Next steps
1.	Absent	Absent	-	U	Repeat the entire course
2.	Absent (OPE1 and OPE2=0)	Present	>=35	I_OP	Complete OPE alone in next term, Both OPPEs will be scheduled. GA, quiz and ET marks will be carried over OR Repeat the entire course
3.			<35	U	Repeat the entire course
4	Present score< 40/100	Present	>=40	I_OP	Redo OPE alone next term. Both OPPE will be scheduled, GA, quiz and ET marks will be carried over OR Repeat the entire course
5			<40	U	Repeat the entire course
6		Absent	-	I_BOTH	Redo End term exam and OPE alone in next term. Both OPPE will be scheduled for you. GA, quiz will be carried over OR Repeat the entire course
7	Present Score > 40/100	Absent	-	I	Complete ET alone in next term, OPPE will NOT be scheduled; GA, quiz and OPPE marks will be carried over OR Repeat the entire course
8		Present			Grade as per the Total score T

4. Business Data management (DS Diploma)

NO Quiz 1

Quiz 2: March 16 2025

End term: April 13 2025

Above to be attended in person at designated centres.

Remote Online Exam (ROE) (date to be announced)

There will be 4 Graded Assignments designed for this of 10 Marks each.

Eligibility to take the final exam:

- Submission of at least one of the first two graded assignments – GA 1 and GA 2, AND
- Average of the two best of the first 3 Graded assignment scores >= 40/100

Eligibility to get the final course grade:

- Attending the End term exam, AND
- Average of best 3/4 graded assignments >= 30

Components of evaluation for final course score **T = 0.3GA +0.20Q2 +0.2ROE +0.3F**

30 marks – Graded Assignments (GA)

- Totally 4 weekly assignments will be released - 10 Marks each
- Out of 4 assignments given, best 3 will be considered
- Assignment marks= 3x10 = 30 marks

20 Marks – Quiz 2 (Q2)

- Quiz 2 will be based on contents of Week 1-8 (in person in centers)

20 Marks – Remote Online Exam (ROE)

- Will be spreadsheet-based exam
- Open Internet, Time Challenge (30 – 45 mins)

30 marks(F): End Term exam (in person in centers)

No Bonus Marks for BDM

5. Business Analytics (Diploma in DS)

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

There will be no regular weekly graded assignments being designed for this course. Instead there are 3 course assignments.

Eligibility to take the final exam:
Submission of at least 1 out of the first two assignments - Asgn 1 and Asgn 2
Eligibility to get final course grade: Attending the end term exam AND End term exam score F >=10/40 AND Qz (defined below) >= 7/20 ~~(must score at least 8 in one quiz, and 5 in the other quiz)~~

20 marks: In center quiz - 20 marks (Qz)
Quiz 1 will be from Week 1-4
Quiz 2 will be from Week 3-8
Quiz Marks Qz = 0.7*Max(Qz1, Qz2) + 0*3Min(Qz1, Qz2)

40 Marks: 3 Assignments for a total of 40 marks :
Assignment 1: 20 marks
Assignment 2: 20 marks
Assignment 3: 20 marks
A = Sum of the Best 2 out of (Assignment 1, Assignment 2, Assignment 3)

40 Marks (F): End Term Exam

- Will be set to 45 marks and students can attempt all.
- Marks obtained will be capped at 40.
- The syllabus for the End term exam will be the contents covered in Weeks 1 to 12

Business Analytics (BA) Assignment Deadlines

Week no.	Release date	Submission date

5	Friday, February 7, 2025	Sunday, February 16, 2025
6	Friday, February 14, 2025	Sunday, March 2, 2025
9	Friday, March 7, 2025	Tuesday, March 18, 2025

6. Tools in Data Science (Diploma in DS)

No in centre quizzes for this course.
End term exam: April 13th 2025 - to be attended in person at designated centres.
ROE1: Sunday, March 2, 2025 - 13:00 to 14:00 IST

Eligibility to attend the end term exam: Average of best 2 out of the first 5 weekly assessment scores >= 40/100
Eligibility to get the course grade: Attending end-term exam

	Assessment	Open date	Submission date	~~Peer Review Date~~
ROE1	Remote Online Exam 1 (45 mins, open internet, Objective assessments)	Sunday, March 2, 2025 13:00 Hrs IST	Sunday, March 2, 2025 13:45 Hrs IST	-
P1	take home project 1 (open internet)	Friday, January 17 ~~February 7~~, 2025	~~Monday~~ Saturday February 15 ~~17~~, 2025	~~Tuesday, February 25, 2025~~
P2	take home project 2 (open internet)	Friday, February 21 ~~28~~, 2025	~~Wednesday~~ Monday, March 15 ~~12~~, 2025	~~Monday, March 17, 2025~~

GAA = score in best 4 of 7 weekly assignments on the portal (open internet, MCQs)
F = Final end term exam (no internet, in-person, mandatory).
P1 and P2 will have two components - Submissions and peer reviews with weightage 80:20.
~~**Final course score T = 0.1GAA + 0.2 ROE1 + 0.2 P1 + 0.2P2 + 0.3F**~~
Final course score T = 0.15GAA + 0.2 ROE1 + 0.2 P1 + 0.2P2 + 0.25F

7. Programming Data structures and algorithms using Python (PDSA) - Diploma in Programming

Weekly assignments: Mix of autograded assignment and Programming assignments

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

1 programming exam of 120 minutes duration - Online remote proctored - (Mar 30 2025) (If you are absent for the OPPE, then Repeat OPPE will NOT be provided in the next term as this does not impact passing the course, only total course score)

Eligibility for attending end sem exams: Average of the best 5 out of the first 7 weekly assessments (objective and programming) scores >= 40/100 AND attending atleast one of the 2 quizzes in the centre

Eligibility to get the final course grade: Attendance in the End sem exam

The calculation of Final course Score is proposed as follows:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
OP = Score in Online proctored remote exam
F = score in final exam

Overall score for eligible students:

$T = 0.1GAA + 0.4F + 0.2OP + \max(0.2\max(Qz1, Qz2), (0.15Qz1 + 0.15Qz2))$

8. Database management system (DBMS) - Diploma in Programming

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of the best 5 out of the first 7 weekly assessments scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade:

Attending the End sem exam **AND** scoring a minimum of 35% in the OPE (overall) **AND** Getting the question based on Python-DB connectivity correct is mandatory to get the course grade.
(The OPE will be based on SQL query(Week 2-3) and Python-Database connectivity(Week 7).)
If you don't get the 35% in OPE OR don't pass the Python-DB connectivity question, you will be given Fail in the OPE.)

OPPE:

There is only one OPPE conducted for the course at the end of 8-9 weeks. But there are 2 chances to attempt it.

- **Students have to mandatorily attend the OPPE on the first date.** If you fail in this, you get a chance to reappear the next weekend. So you get 2 chances to attempt the exam.
- If you are absent on the first date, you do not get the reattempt chance.
- If the first date is inconvenient due to a clash with some other engagement, then you can apply for a postponement to the second date providing sufficient proof. If this is accepted, your exam will be moved to the second date but if you fail in this, you will not get another chance to reattempt. You will have to do it in the subsequent term.

Assessment Type	Method	Proctoring	% of Total Score T
Week 1-12	100% objective	NA	GA
Weekly assessments, Weeks 2,3	PostgreSQL assignments will be considered.	None	GAA2
Week 7	Programming assignment	NA	GAA3
Quiz 1 : Weeks 1-4 Feb 23rd, 2025	Objective	In person at TCS centres	Qz1
Quiz 2 Weeks 1-8 Mar 16th, 2025	Objective	In person at TCS centres	Qz2
Online remote proctored exam (OPE1) Mar 30 2025 Reattempt: Apr 6 2025	Testing will be on SQL queries and python-database connections - Students will be given the option to choose the date and slot. Based on logistics the slots will be allocated.	Online remote proctored	OPE1
End Sem Apr 13 2025	100% Objective	In-person at TCS centres	F

The calculation of Final course Score is proposed as follows:

GAA1 = Average score in First 10 weekly graded assignments
GAA2= Average score of week 2 and 3 SQL based assignments

GAA3= Average score of week 7 programming assignment
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
OPE1 - Score in online remote proctored programming exam
F = score in final exam

Overall score for eligible students:

T = 0.04GAA1 + 0.03GAA2 + 0.03GAA3 + 0.2OP + max (0.45F+0.15max(Qz1, Qz2), 0.4F+(0.10Qz1+0.20Qz2))

	OPE	ET	T	Grade	
1.	Absent	Absent	-	U	Repeat the course.
2.	Absent	Present	>=35	I_OP	Complete OPE alone in next term (only one oppe in this course) GA, quiz and ET marks will be carried over OR Repeat the entire course
3.			<35	U	Repeat the entire course
4	Present score< 35/100 OR Python-DB question Incorrect.	Present	>=40	I_OP	Complete OPE alone in next term (only one oppe in this course) GA, quiz and ET marks will be carried over OR Repeat the entire course
5			<40	U	Repeat the entire course
6		Absent	-	I_BOTH	Complete ET exam and OPE in next term, (only one oppe in this course) GA and quiz marks will be carried over OR Repeat the entire course
7	Present Score > 35/100 AND Python-DB question correct.	Absent	-	I	Complete ET alone in next term; GA, quiz and OPPE marks will be carried over OR Repeat the entire course
8		Present		Actual grade	Grade as per the Total score T

9. Application development - 1 (Diploma in programming)

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of the best 5 out of the first 7 weekly assessments (objective) scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade: Attending the End sem exam

Assessment Type	Method	Proctoring	Contribution to final score
Lab assignments, Weeks 2 - 7	100% Lab assignments auto evaluated via framework (weekly assignments)	None	**GLA** Best 3 out of 6, [2,3,4,5,6,7]
Objective Assignments, Weeks 1 - 12	100% objective	None	GA : Average score in First 10 weekly graded assignments
Quiz 1 and 2 , Sunday, February 23rd, 2025 & Sunday, March 16, 2025	Objective and subjective questions	In person at TCS centers	Qz1, Qz2
End Sem, Sunday, April 13th, 2025	Objective	In person at TCS centers	**F**

Final course score T = 0.15 GLA + 0.05GA+ Max(0.35 F + 0.2 Qz1 + 0.25 Qz2, 0.4 F + 0.3 Best(Qz1,Qz2))

10. Programming concepts using Java (Diploma in programming)

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

OPPE: All students will be allocated for OPPE on Mar 2nd 2025 - if you successfully complete the SCT as given in the document.
Click here to view the link

Eligibility to attend the end term exam: Average of the best 5 out of the first 7 weekly assessments (objective and programming) scores >= 40/100 and attending at least one of the 2 quizzes in the center

Eligibility to get the course grade: Attending the end term exam AND one programming exam with a minimum score of 30%.

Assessment Type	Components	Mode	Code
Weeks 1 - 12 Weekly Objective Assessments	Objective Questions	On Course Portal	
Weeks 2 - 8 Weekly Programming Assignments	Programming Questions	On Course Portal	GAA
Quiz 1 - Sunday, February 23rd, 2025 Weeks 1-4	Objective + subjective	In TCS centers	Qz1
Quiz 2 - Sunday, March 16th, 2025 Weeks 1-8			Qz2
Online Proctored Examination 1 Mar 2 (syllabus weeks 1-6) (09:30 AM to 11:00 AM)	Programming Questions	On Course Portal	PE1 PE2
Online Proctored Examination 2 30th Mar 6th Apr (syllabus weeks 1-9)			
End Sem - Sunday, April 13th, 2025 Weeks 1-12	Objective	In TCS centers	F

GAA = average of score in Best 6 out of 7 programming graded assignments given

Final course score T = 0.1GAA + 0.3F+ 0.2 of Max(PE1,PE2)+ (Bonus)0.10 Min(PE1,PE2)+ max (0.25 Max(Qz1,Qz2), 0.15Qz1+0.25Qz2) —---------- capped to 100

	OPE1/OPE2	ET	T	Grade	
1.	Absent	Absent	-	U	

2.	Absent (PE1 and PE2=0)	Present	>=35	I_OP	Complete OPE alone in next term, GA, quiz and ET marks will be carried over OR Repeat the entire course
3.			<35	U	Repeat the entire course
4	Present score< 30/100	Present	>=40	I_OP	Redo OPE alone in next term, GA, quiz and ET marks will be carried over OR Repeat the entire course
5			<40	U	Repeat the entire course
6		Absent	-	I_BOTH	Redo End term exam and OPE alone in next term. GA, quiz will be carried over. OR Repeat the entire course
7	Present Score > 30/100	Absent	-	I	Complete ET alone in next term; OPPE will NOT be scheduled. GA, quiz and OPPE marks will be carried over OR Repeat the entire course
8		Present			Grade as per the Total score T

11. System commands (Diploma in programming)

Quiz 1: February 23 2025 **Quiz 2: No Quiz 2** **End term: April 13 2025**

Above to be attended in person at designated centres.

OPPE: March 29, 2025; ReOPPE April 5, 2025

Biweekly Programming Test (BPT) Release Dates week 2, week 4, week 6, week 9

BPT Due dates: One week ; Will be conducted in the course VM - Each BPT have 4

Quiz 1 Syllabus - Week 1 to Week 4

Eligibility to attend the end term exam:

Average of the best 5 out of the first 7 weekly assessments (objective and programming) scores >= 40/100

Eligibility to get the course grade:

Attending the end semester exam AND

programming exam (OPPE) with a score >= 40/100

Eligibility for OPPE

The average of the first three BPT >=40

SCT for OPPE and exam day rules:

https://docs.google.com/document/d/13WhnPprgKrgMfJ-Ep9IJQdolharbkY4ucrrfQYVoe4c/pub#h.t5nwrevshz0a

We are NOT going to have 2 OPPEs going forward. It is going to be ONE OPPE based on weeks 1-9.

Students have to mandatorily attend the OPPE on the first date.

- If you fail in this, you get a chance to reappear the next weekend. So you get 2 chances to attempt the exam.
- If the first date is inconvenient due to a clash with some other engagement, then you can apply for a postponement to the second date providing sufficient proof. If this is accepted, your exam will be moved to the second date but if you fail in this, you will not get another chance to reattempt. You will have to do it in the subsequent term.
- If you are absent on March 29 2025, you DON'T get another chance on April 5.

NPPE [Syllabus Weeks 1-9]: Dec 5 2024 (This will give you practice to handle the OPE, but not part of final course grade)

GAA = Average of score in Best 9 out of the 10 weekly graded assignments
BPTA: Average of the 4 BPT scores
QZ1 = score in Quiz I (0, if not attempted)
OPPE = Score in online remote proctored programming exam
F = score in End Term exam

Final course score T = 0.10 GAA + 0.2 Qz1 + 0.3 OPE + 0.3 F + 0.1 BPTA

	OPE1/OPE2	ET	T	Grade	
1.	Absent	Absent	-	U	Repeat entire course
2.	Absent (OPE1 and OPE2=0)	Present	>=35	I_OP	Complete the BPT and OPE in next term; BPTs will be eligibility to write OPPE GA, quiz and ET marks will be carried over OR Repeat the entire course
3.			<35	U	Repeat the entire course
4	Present score< 40/100	Present	>=40	I_OP	Complete the BPT and OPE in next term; BPTs will be eligibility to write OPPE GA, quiz and ET marks will be carried over OR Repeat the entire course
5			<40	U	Repeat the entire course
6		Absent	-	I_Both	Redo End term exam and OPE in next term; For doing the OPE, BPTs have to be done and students have to become eligible GA, quiz will be carried over OR Repeat the entire course
7	Present Score > 40/100	Absent	-	I	Complete ET alone in next term; OPPE will NOT be given in this case. GA, quiz and OPPE marks will be carried over OR Repeat the entire course
8		Present			Grade as per the Total score T

12. Application Development - 2 (Diploma in programming)

Quiz 1: February 23 2025 **Quiz 2: March 16 2025** **End term: April 13 2025**

Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of the best 5 out of the first 7 weekly assessments scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade: Attending the End sem exam

Assessment Type	Method	Proctoring	Percentage contribution
Weekly assessments Weeks 1 - 11	100% objective	None	GAA1 = 5 marks
Programming Assignments Weeks 1 and 2	Auto Evaluated	None	GAA2 = 5 marks
Quiz 1 - February 23rd, Qz1 Quiz 2 - March 16th, Qz2	Objective + Descriptive	In person at TCS centers	Qz1, Qz2
End Sem - April 13th, F	100% Objective	In person at TCS centers	F

GAA1 = Average score in First 10 weekly graded assignments
GAA2 - Average of weeks 1 and 2 programming assignments
Final course score T = 0.05 GAA1 + 0.05 GAA2 + Max(0.35 * F + 0.25 * Qz1 + 0.3 * Qz2, 0.5 * F + 0.3 * Best(Qz1, Qz2))

Project Courses:

Project courses are now for 2 credits each - BDM, MLP, App Dev 1 and App Dev 2.
The Project courses are not part of CCC. The CCC is only for theory courses.

App Dev1 Theory is a co-requisite for App Dev 1 project.
App Dev1 project is a corequisite for App Dev2 Theory.
App Dev2 Theory is a corequisite for App Dev2 Project.
MLP course is a co-requisite for MLP project.

BDM course is a co-requisite for BDM project.

There will be fortnightly assessments configured in the MLP project course alone that you have to submit. We will be using this information to cross check your engagement in the course.

FOR MLP, MAD1, MAD2 PROJECTS:

1. If theory is completed in January 2025 and project completed in Jan 2025: Project will be evaluated on 105 marks until 30th March 2025.
2. If theory is completed in September 2024 or earlier and project completed in Jan 2025: Project will be evaluated on 105 marks until 15th March 2025. For submissions beyond this, project will be evaluated out of 100 marks.

BDM project will be evaluated only out of 100 marks for all students, irrespective of the term submitted in.

Each project has its own modalities and processes to be followed.
Please check your course announcements for the project timelines and make the submissions accordingly.

Guideline documents:

BDM:

1. General instructions on preparing report :
https://docs.google.com/document/d/e/2PACX-1vTzF1dpoe40s7mSD633u_fTE1knPer32LyFxNwb978rGtMDO45Hny4KLmN2kKmN0A/pub

2. Capstone Project Rubrics for Analysis with Primary Data
https://docs.google.com/document/d/e/2PACX-1vShnBLNHmdbVlpoK9y0Fb_5ew5rKNJpYmAJ3HJG4rK1rRWwnKbzzqKGJcX9iGFctA/pub
You go to a business, convince the owner to share the business data with you and collect the data and analyse it.

3. Capstone Project Rubrics for Analysis with Secondary Data
https://docs.google.com/document/d/e/2PACX-1vRuykh6558Gsw5yZmwu3xs_sbF97aMcC2NN2YEnd4D5xS8mKUQn5onkKuzOyzO1xA/pub
You can take the data from the internet quoting the website taken from and complete the analysis and suggestions. You need not go to a business and collect the data.

MLP:
https://docs.google.com/document/d/e/2PACX-1vSpMZVqq1HjYMEhAD9fdYs5WRj3elyv4NY43CoZa2NFVwikdplmXomLQ_5I832nNQshQ153oeACaAbm/pub

MAD I

Project Document:
https://docs.google.com/document/d/e/2PACX-1vSSi95lpjgp2Dg-c-iQWVYGy0SGnAei_kJ88h90OxkjS8VAkNsqPIe2GfDaM4mlnNuatbgpXegWO2VV/pub

Project statement - Quiz Master V1
https://docs.google.com/document/d/e/2PACX-1vRIIAS2DdX7vEvlXfCCadSYMZeYalLUEEaE5xiPSPNSfZfg-yRmtyPeX6eQBliwJyxK1IcQIFc7yoYf/pub

MAD II

Project Document
https://docs.google.com/document/d/e/2PACX-1vRuTdd_7H6EB_Pqkbx6DIsnvY7mZcQuzr3Nm-yuGjo0xgOeq2B94cHSV-wkFkSaqGVfxKMPZM9Yo2aD/pub

Project statement 1 - Quiz Master V2
https://docs.google.com/document/d/e/2PACX-1vQPKy9dWH4FsUZZrOp8rXF-hJysrtXVz_tQs3GQp12W5Ua9mAqre9bzbzDSygaE_r5jDkuQwdBNkFzu/pub

Project statement 2 - Household Service Application V2
https://docs.google.com/document/d/1g-TDnTHgpAcgMIdMYC2ePBgasJfOIkjRXvjkHjEHiqk/pub

Rules regarding project fees:
The fee paid for each of the 4 projects is valid for 2 terms.

Fee details for Project:

Category	Payment	Category Waiver	Grade
New Registration	2500	Yes	Actual grade
If the project is not completed in the registered term - the fee is retained for the subsequent term, grade will be marked as I. . If the project is not completed in the second term also, then the registration becomes invalid and the student has to pay the full fees again, you will get a U grade.	2500	Yes	I or U
If the student fails in the project, Students have to redo the project by registering to the project by paying the full fees	2500	Yes	U
If the student fails in the project or the submission is found to be Plagiarized, a. Student will be subjected to disciplinary action b. Student has to redo the project by registering to the project by paying the full fees.	2500	Yes	U

Timelines (Appdev1, Appdev2 & MLP, BDM projects):

Here are the timelines for students doing projects in the January 2025 terms who will be entering Degree level in the Jan 2025 term.
Without completing the 12 courses and 4 projects, you cannot start degree level courses from Jan 2025 onwards.
For entering the Degree level in May 2025, you have to complete ALL projects and vivas by March 2025. `
BDM project final submission has to be done and approved by Feb/March 2025 so that viva can be over in March/April 2025.
Project grade for all the courses will be pushed on/before April th.

Very important:

Viva policies

Viva planner - Jan 2025 term-MLP
Viva planner - Jan 2025 - Appdev

Students who completed App dev1, App dev2, MLP and BDM in Sep 2021/Jan 2022 terms:
If you complete the 6 courses and 2 projects of any of the two Diploma, you will get the Diploma certificates. But your credits will not be 27 for this Diploma but 23 or 25 depending on how many of these courses were completed in these 2 terms. The projects done as part of the courses of Sep 2021/Jan 2022 will not get the 2 credits. So there is no issue with the Diploma level.

When you come to the BSc level, 114 credits are required to obtain the BSc certificate. Hence this deficit of 2/4/6/8 credits will have to be made up by taking more elective courses offered by the IITM BS program.

Degree Level courses

Level of the course:

The first digit of the 4 digits given in the course code represents the level of the course. Eg: CT is CS1001 is a 1 level course.
Deep Learning CS3004 is a 3 level course.
Industry 4.0 MS4001 is a 4 level course.

BSc level:

It is now mandatory that students have to complete both the core pairs and SPG in the BSc level. Credits = 20
All 8 credits can be earned from IITM BS courses or NPTEL (maximum upto 4 credits from Table 2) or if there is an option to credit campus courses (IITM or other institutes), that too can be done.
This will be implemented wef Sep 2023 for the batch that enters the degree level in Sep 2023.

BS level:

2 courses in the level 4 or higher should be mandatorily completed in each of the BP and BD categories. Please refer course category in table1
Out of the remaining 12 credits, it is MANDATORY to earn 4 credits in the HS/MG category. HS/MG can come from inhouse electives or from NPTEL-Table 3.
Remaining credits are from any of the other in-house/campus electives or Apprenticeship electives.

Apprenticeship:

Apprenticeship is **completely optional.** Students can also complete the BS level by just doing only course work.

Recommendation on taking additional courses and learning more skills not taught directly in the program curriculum.

1. C++ programming - Prof Partha Das, IIT Kgp - https://nptel.ac.in/courses/106105234
2. Introduction To Haskell Programming - Prof. S. P Suresh CMI - https://nptel.ac.in/courses/106106137
3. Competitive programming - Prof. Neeldhara Misra, IIT Gn - https://nptel.ac.in/courses/106106231
4. Cloud computing - Prof SK Ghosh, IIT Kgp - https://nptel.ac.in/courses/106105167
5. Blockchain and its applications - Prof. Sandip Chakraborty & Prof. Shamik Sural, IIT Kgp - https://nptel.ac.in/courses/106105235
6. Compiler Design - Prof. Santanu Chattopadhyay, IIT Kgp - https://nptel.ac.in/courses/106105190

SWAYAM NPTEL Approved Dep/Free Elective course list:

https://docs.google.com/spreadsheets/d/e/2PACX-1vSJXV0JECyoQvgWvBlVxO13G0KRm5a1qNCRBa7rAw8GDY4e0cfm1KiVCwIgs_ed80ObtzQ1rfx_JWIR/pubhtml?gid=399341609&single=true

SWAYAM NPTEL Approved HS/MG course list:

https://docs.google.com/spreadsheets/d/e/2PACX-1vSJXV0JECyoQvgWvBlVxO13G0KRm5a1qNCRBa7rAw8GDY4e0cfm1KiVCwIgs_ed80ObtzQ1rfx_JWIR/pubhtml?gid=1418834182&single=true

We are also collaborating with the Microsoft and AWS certification program team to offer their courses for our students at discounted rates. Would be good to complete some cloud certifications from this too when we offer it.

It is important you learn more on programming and data science outside of what the curriculum offers and strengthen your resume.

1. Software Testing

Quiz 1: February 23 2025 Quiz 2: March 16 2025 End term: April 13 2025

Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of best 5 out of first 7 weekly assessments scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:
GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F - score in End Term exam
T = 0.1GAA + 0.4F + 0.25Qz1 + 0.25Qz2

2. Software Engineering

Quiz 1: No Quiz 1 Quiz 2: March 16 2025 End term: April 13 2025

Above to be attended in person at designated centres.

Eligibility to write end term exam:

Average of the best 5 out of the first 7 weekly assignment scores >= 40/100 AND submission of Group project Milestone [1-3]

Eligibility to get final course grade: Attending the End term exam AND Submission of group project (All milestones) is mandatory for course grade AND score in group project > 0

Overall score for eligible students:

GAA = Average score in First 10 weekly graded assignments
Qz1 = NOT THERE IN THIS COURSE
Qz2 = score in Quiz II (0, if not attempted)
Group Project- Milestone 1-3 (After week 6) - GP1
Group project - Milestone 4-6 (After week 12) - GP2
Project Presentation - PP
Course participation activity - CP
F - score in End Term exam

T = 0.05GAA + 0.2Qz2 + 0.4F+ 0.1GP1 + 0.1GP2 + 0.1PP + 0.05CP

(More details about the Group project will be given in the course).

3. Deep Learning

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres.

Bonus Marks:

The average score of all (3) programming activity assignments will be used as Bonus marks. Maximum bonus marks will be 5. - weeks 4, 9,11

Eligibility to write end term exam: Average of best 5 out of first 7 weekly assessments scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:
GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F - score in End Term exam

~~**T = 0.1GAA + Max((0.4F + 0.25Qz1 + 0.25Qz2), 0.5F+ 0.3 Max(Qz1,Qz2))+ Bonus (as applicable)**~~

T = 0.1GAA + 0.4F + 0.25Qz1 + 0.25Qz2 + Bonus (as applicable if passed)

4. AI: Search Methods for Problem Solving

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of best 5 out of first 7 weekly assessments scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:
GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F - score in End Term exam

~~**T = 0.1GAA + max (0.45F + 0.35max(Qz1, Qz2), 0.4F + 0.25Qz1 + 0.25Qz2))**~~

T = 0.1GAA + 0.4F + 0.25Qz1 + 0.25Qz2 + bonus (as given below, if you pass the course)

Bonus marks for those who pass the course: 5

Programming Assignment 1 will be released between Quiz 1 and Quiz 2. The dates will be announced in the forum. This assignment will be evaluated offline.

5. Strategies for Professional Growth

Quiz 1: NO Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres.

Eligibility to write the final exam: Average of best 5 of the first 7 weeks' graded assignments; >= 40/100
Eligibility to obtain the final course grade: Attending the end-term exam
The calculation of the final course score for eligible students is as follows:
GAA = Average score in First 10 weekly graded assignments
GP = score in Group Project (0, if not participated)
Qz2 = score in Quiz II (0, if not attempted), based on weeks 1-7 (Subjective & Objective)
F = score in final exam, based on weeks 1-12 (Subjective & Objective)
T = Total score (out of 100)
T = 0.15*GAA + 0.25*GP + 0.25*Qz2 + 0.35*F

Project:

Milestone	Timeline	Submission Date	Marks	Evaluation and Score Release
I	Week 1 to Week 3	End of Week 3	50 marks	Before Week 5
II	Week 4 to Week 6	End of Week 6	50 marks	Before End-Term

More details about the Group Project will be given in the course.

6. Introduction to Big Data

Note: This course requires students to have access to link a credit card and avail $300 one time free credit available for GOOGLE CLOUD platform. If you do not have either a credit card or have availed the free Google Cloud credits, then it will not be possible for you to take up this course.

Quiz 1 and Quiz 2: Not there End term: Apr 13th 2025

Above to be attended in person at designated centres.

OPPE 1:Sunday, March 2, 2025

OPPE 2: Sunday, April 6, 2025

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100

Eligibility to get the course grade: Attending the end sem exam AND one programming exam with score in programming exam >= 40/100

The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in Best 6 out of 9 weekly graded assignments

OPPE 1:

OPPE 2:

Quiz 1 and quiz 2 : Not applicable for this course

F = score in final exam

T = 0.1 GAA + 0.3 F + 0.2 OPPE1 + 0.4 OPPE2

	OPE	ET	T	Grade	
1.	Absent	Absent	-	U	Repeat the course.
2.	Absent	Present	>=35	I_OP	Complete OPE alone in next term (only one oppe in this course) GA, quiz and ET marks will be carried over OR Repeat the entire course
3.			<35	U	Repeat the entire course
4	Present score< 35/100 OR	Present	>=40	I_OP	Complete OPE alone in next term (only one oppe in this course) GA, quiz and ET marks will be carried over OR Repeat the entire course
5			<40	U	Repeat the entire course
6		Absent	-	I_BOTH	Complete ET exam and OPE in next term, (only one oppe in this course)

	Python-DB question Incorrect.				GA and quiz marks will be carried over OR Repeat the entire course
7	Present Score > 35/100 AND Python-DB question correct.	Absent	-	I	Complete ET alone in next term; GA, quiz and OPPE marks will be carried over OR Repeat the entire course
8		Present		Actual grade	Grade as per the Total score T

7. Programming in C

Quiz 1: February 23rd, 2025 Quiz 2: No Quiz 2 End term: April 13th, 2025

Above to be attended in person at designated centres

For OPPE1, OPPE2 exam dates please refer to Annexure I
OPPE 1 - March 1, 2025
OPPE 2 - March 30, 2025

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignments (objective and programming) scores >= 40/100

Eligibility to obtain the final course grade: Both the conditions below should be satisfied.

- Attending the end term exam AND
- Score in one of the two programming exams (OPPE1, OPPE2) should be >= 40/100 - Minimum score to be obtained in one of the programming quizzes

Final course score calculation:

- GAA = Average score in First 10 weekly graded assignments
- GAAP = Average score in Best 7 out of 8 weekly graded programming assignments (weeks 3-10)

- Qz1 = score in Quiz 1 (0, if not attempted) - in centre
- OPPE1 = score in OPPE 1 (0, if not attempted) - programming exam 1
- OPPE2 = score in OPPE 2 (0, if not attempted) - programming exam 2
- F = score in final End Term exam

T = 0.05GAA (objective) + 0.1GAAP + 0.15Qz1 + 0.20 OPPE1 + 0.20 OPPE2 + 0.30F

8. Financial Forensics

Quiz 1: February 23rd, 2025 Quiz 2: No Quiz 2 End term exam:April 13th, 2025
Above to be attended in person at designated centres.

Remote Group Project 1:
Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 50/100
Eligibility to obtain the final course grade: Attending the end term exam

Project Release date along with team split: 2nd/3rd November (the first weekend after Quiz 1)
Team Leader nomination: By 8th November
Team Finalization (after expulsion of non performing students): By
Project Submission:
Project Presentations:

The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted)

GP1 = score in Group Project (0, if not attempted)

F = score in final exam

~~**T = 0.1GAA + Max(0.25Qz1 + 0.30GP1 + 0.35F, 0.5F+0.3Max(Qz1,GP1))**~~

T = 0.1GAA + 0.25Qz1 + 0.30GP1 + 0.35F

9. Introduction to Natural Language Processing (i-NLP)

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term exam:April 13th, 2025
Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND

attendance in one of the 2 quizzes

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:

GAA = Average score in First 10 weekly graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F = score in final exam

T = 0.1 GAA+ 0.5F + 0.2Qz1 + 0.2Qz2

10. Corporate Finance

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to obtain the final course grade: Attending the end term exam

The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

T = 0.1GAA + 0.4F + 0.2Qz1 + 0.3Qz2

11. Deep Learning Practice

Quiz 1: February 23rd, 2025 Quiz 2: March 16th 2025 Quiz 3:April 13th, 2025

Above to be attended in person at designated centres.

Quiz1 - based on content taught by Prof Mitesh (Based on weeks 1-4)
Non-proctored programming assignment 1 - NPPE1 (Configured in the portal in week 4)

Quiz2 - based on content taught by Prof Umesh (Based on weeks 5-8)
Non-proctored programming assignment 2 - NPPE2 (Configured in the portal in week 8)

Quiz3 - based on content taught by Prof Kaushik (Based on weeks 9-12)
Non-proctored programming assignment 3 - NPPE3 (Configured in the portal in week 12)

Exam	Syllabus	NPPE Dates	Timing
NPPE1 - Opens	W1-W4	Friday, February 14, 2025	5PM IST

NPPE1 - Closed	W1-W4	Monday, February 17, 2025	5PM IST
NPPE2 Opens	W5-W8	Released Soon	Released Soon
NPPE2 Closes		Released Soon	Released Soon
NPPE3 Opens	W9-W12	Released Soon	Released Soon
NPPE3 Closes		Released Soon	Released Soon

GA - Average score in First 10 weekly graded assignments

Final score T = 0.2 GA+ 0.15 Quiz 1 + 0.15 Quiz 2 + 0.15 Quiz 3 + 0.2 (Best of NPPE1,NPPE2,NPPE3) + 0.15 (Second best of NPPE1,NPPE2,NPPE3) + 0.1 (Lowest NPPE score) - capped to 100

12. Deep Learning for CV

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term exam:April 13th, 2025
Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:

GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

There will be a project component will be released in the portal which will not be part of the scores. That will be considered for the special certification.

T = 0.1 GAA+ 0.5F + Max(0.2Qz1 + 0.2Qz2, 0.3 Max(Qz1,Qz2))

13. Data Visualization

Quiz 1 : February 23 2025 **Quiz 2: March 16th, 2025**

Above to be attended in person at designated centres.

End term exam: Not in centre, project based with presentation and viva

Eligibility to attend final exam: Average of the best 3 out of the 5 graded assignment scores >= 40/100, and attending at least one of the 2 quizzes in the centre.

Eligibility to get the final course grade: Completing & presenting the Group Project (P) with scoring more than 50/100 in it

GA: Sum of best 3 out of 5 Graded assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
P: Group project and presentation
Bonus: Maximum of 10 marks; 5 marks for each of the 2 Extra assignments

T = 0.3GA + Max(0.2Qz1+0.2Qz2, 0.3Max(Qz1,Qz2)) + 0.3P + Bonus

14. Managerial Economics

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to write end term exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:
GAA = Average score in Best 8 out of first 9 weekly assignments

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

T = 0.15 GAA+ Max(0.2Qz1 + 0.2Qz2 + 0.45F, 0.5F + 0.25Max(Qz1,Qz2))

15. Algorithmic Thinking in Bioinformatics

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to write end term exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:
GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted), Syllabus: Week 1-4

Qz2 = score in Quiz II (0, if not attempted), Syllabus: Week 5-8

F = score in final exam, Syllabus: Week 1-12

T = 0.2 GAA+ Max(0.2Qz1 + 0.2Qz2 + 0.4F, 0.45F+0.25Max(Qz1,Qz2))

16. Industry 4.0

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to take the final exam:

Submission of at least 1 out of the first three assignments - Asgn 1, Asgn 2 and Asgn 3 AND attending at least one of the two quizzes AND (participating the game **OR Project Submission)**

Eligibility to get final course grade: Attending the end term exam

15 marks: In center quiz – 7.5 marks for Quiz1 and 7.5 marks for Quiz 2

Quiz 1 on Feb 23rd, 2025 and Quiz 2 on March 16th, 2025 (In person at centers)

Quiz 1 will be from Week 1-4

Quiz 2 will be from Week 5-8

5 Marks: Online game: Yield Management Game (estimated duration 1.5 – 2 hours)

4 marks for participating the game for the entire game horizon

1 bonus mark for top 10 participants in terms of the game performance measure

40 Marks: 3 Assignments for a total of 40 marks :

Assignment 1: 20 marks

Assignment 2: 20 marks

Assignment 3: 20 marks

A = Sum of the Best 2 out of (Assignment 1, Assignment 2, Assignment 3)

Week no.	Release date	Submission date
5	Friday, February 7, 2025	Sunday, February 16, 2025
6	Friday, February 14, 2025	Sunday, March 2, 2025
9	Friday, March 7, 2025	Tuesday, March 18, 2025

~~40~~ 30 Marks (F): End Term Exam – **April 13th, 2025**

Will be set to 45 marks and students can attempt all.
Marks obtained will be capped at 40.
The syllabus for the End term exam will be the contents covered in Weeks 1 to 12

10 Marks Project

1. Project submission (**5 marks:** Evaluated based on individual contributions within the group.)
    - Identify a problem: Objective, Constraint, decision variables etc.,)
    - Identify the relevant data
    - Approach to solve the problem
    - 2 paged summary containing the above three points
2. Presentation and viva (**5 marks) --** Assessed by a panel

Guidelines

1. Teams of 5 members
2. Teams need to be formed and informed to us by the end of Week 2
3. 2 paged project summary needs to submitted by the end of Week 8
4. The concepts to be applied must strictly align with the topics covered in the BA and Industry 4.0 courses.

17. Mathematical Thinking

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to write the final exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to obtain the final course grade: Attending the end term exam

The calculation of Final course Score T for eligible students is as follows:

GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

T = 0.1GAA + max (0.6F + 0.2max(Qz1, Qz2), 0.4F + 0.2Qz1 + 0.3Qz2)

18. Linear Statistical Models

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to attend final exam: Average of the best 5 out of the first 7 assignment scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get the final course grade: Attending the end sem exam

The calculation of Final course Score is proposed as follows:

GAA = Average score in First 10 weekly graded assignments (Subjective and Objective)

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

Overall score for eligible students:

T = 0.1 GAA + max(0.6 F + 0.2 max(Qz1, Qz2) , 0.4F + 0.25Qz1 + 0.25Qz2)

19. Operating Systems

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to write end term exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:

GAA = Average score in First 10 weekly graded assignments

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

T = 0.1GAA + 0.4F + 0.25Qz1 + 0.25Qz2

20. Special topics in ML (Reinforcement Learning)

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term: April 13th, 2025

Above to be attended in person at designated centres

Eligibility to write end term exam: Average of best 5 out of first 7 weekly assessments scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:
GAA = Average score in First 10 weekly graded assignments
GPA = Graded Programming Assignments
Qz1 = score in Quiz I (0, if not attempted)
Qz2 = score in Quiz II (0, if not attempted)
F - score in End Term exam

T = 0.1 GAA(autograded) + 0.2 GPA + Max ((0.2Qz1 + 0.2Qz2), 0.3 Max(Qz1,Qz2)) + 0.3F

21. Big Data & Biological Networks

Quiz 1: February 23rd, 2025 Quiz 2: March 16th, 2025 End term exam: April 13th, 2025
Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of the best 5 out of the first 7 weeks of weekly assignment scores >= 40/100 AND attendance in one of the 2 quizzes

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:

GAA = Average score in Best 8 out of first 9 weekly assignments

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F = score in final exam

T = 0.15 GAA+ Max(0.2Qz1 + 0.2Qz2 + 0.45F, 0.5F+0.25Max(Qz1,Qz2))

22. Large Language Models

Quiz 1: October 27, 2024 Quiz 2: December 1, 2024 End term exam:December 22, 2024

Above to be attended in person at designated centres.

Eligibility to write end term exam: Average of best 5 out of first 9 weekly assessments scores >= 40/100 and attending at least one of the 2 quizzes in the centre

Eligibility to get final course grade: Attending the End sem exam

Overall score for eligible students:

GAA = Average score of 8 out of 9 weekly graded assignments

Bonus - Total 10 marks - Average score of 4 programming assignments - Week 1 and 2, Week 6, Week 9

Qz1 = score in Quiz I (0, if not attempted)

Qz2 = score in Quiz II (0, if not attempted)

F - score in End Term exam

T = 0.1GAA + 0.4F + 0.25Qz1 + 0.25Qz2 + Bonus (if passed)

Annexure I

Course ID	Course Level	Course Name	Course Type	Co-requisite Code	Prerequisite code	May2024	Sep2024	Jan2025	May2025	Sep2025	CourseFee
BSCS3001	DEGREE	**Software Engineering**	Core_BP			Y	Y	Y	Y	Y	10K
BSCS3002	DEGREE	**Software Testing**	Core_BP	-	-	Y	Y	Y	Y	Y	10K
BSCS3003	DEGREE	**AI: Search Methods for Problem Solving**	Core_BD	-	-	Y	Y	Y	Y	Y	10K
BSCS3004	DEGREE	**Deep Learning**	Core_BD	-	-	Y	Y	Y	Y	Y	10K
BSGN3001	DEGREE	**Strategies for Professional Growth**	Core_HM	-	-	Y	Y	Y	Y	Y	10K
BSBT4001	L4_DEGREE	Algorithmic Thinking in Bioinformatics	BD/BP	-	-	Y	N	Y	Y	N	20K
BSBT4002	L4_DEGREE	Big Data and Biological Networks	BD/BP	-	-	N	N	Y	N	N	20K
BSCS4001	L4_DEGREE	Data Visualization Design	BD	-	-	Y	N	Y	N	Y	20K
BSEE4001	L4_DEGREE	Speech Technology	BD	-	-	N	Y	N	Y	N	20K
BSMS4002	L4_DEGREE	Design Thinking for Data-Driven App Development	HM/BP	-	-	N	Y	N	Y	Y	20K
BSMS4001	L4_DEGREE	Industry 4.0	HM/BD	-	-	Y	N	Y	N	Y	20K
BSMS4003	L4_DEGREE	Financial Forensics	HM/BD	-	-	Y	Y	Y	N	Y	20K
BSMS3002	DEGREE	Market Research	HM	-	-	N	Y	N	Y	N	10K
BSCS4004	L4_DEGREE	Introduction to Big Data	BD/BP	-	-	Y	Y	Y	Y	Y	20K
BSCS4003	L4_DEGREE	Privacy & Security in Online Social Media	BD/BP	-	-	N	Y	N	Y	Y	20K
BSMA2001	DEGREE	Mathematical Thinking	SE			Y	N	Y	N	Y	10K
BSMA3012	DEGREE	Linear Statistical Models	SE			Y	N	Y	N	N	10K
BSMA3014	DEGREE	Statistical Computing	SE			N	Y	N	Y	Y	10K
BSCS4021	L4_DEGREE	Advanced Algorithms	BP			Y	Y	N	Y	Y	20K
BSCS3031	DEGREE	Computer Systems Design	BP	BSCS3005		N	Y	N	Y	Y	10K
BSCS4022	L4_DEGREE	Operating Systems	BP		BSCS3031	Y	N	Y	N	Y	20K
BSCS4002	L4_DEGREE	Special topics in ML (Reinforcement Learning)	BD	BSCS3004		Y	N	Y	N	Y	20K
BSCS3005	DEGREE	Programming in C	BP			Y	Y	Y	Y	Y	10K
BSCS5002	L5_DEGREE	Introduction to Natural Language Processing (i-NLP)	BD			N	Y	Y	N	Y	20K
BSCS5003	L5_DEGREE	Deep Learning for Computer Vision	BD			Y	Y	Y	Y	Y	20K
BSCS5001	L5_DEGREE	Large Language Models	BD			N	Y	N	Y	Y	20K
BSMS4023	L4_DEGREE	Game Theory and Strategy	HM/BD			Y	Y	N	Y	Y	20K
BSMS3033	DEGREE	Managerial Economics	HM			Y	N	Y	Y	N	10K
BSMS3034	DEGREE	Corporate Finance	HM			N	Y	Y	N	Y	10K
BSDA5013	L5_DEGREE	Deep Learning Practice	BD/BP		BSCS3004	N	Y	Y	N	Y	20K