भारतीय सूचना प्रौघोगिकी संस्थान गुवाहाटी

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI

Bachelor of Technology Grade Card (Semester VII)

Program Duration: 4 Years | **Semesters: Eight (8)**
Name: ATUL YADAV | **Roll No.: 2201041**
Discipline: Computer Science and Engineering | **Year of Enrolment: 2022**

Course	Course Name	Cr.	Gr.	Course	Course Name	Cr.	Gr.
	Semester I (December 2022 – March 2023)				**Semester II** (April – July) 2023		
MA101	Mathematics I	8	CC	MA102	Mathematics II	8	F
CS101	Computer Programming	6	F	CS103	Data Structures	8	DD
CS110	Computer Programming Lab	3	F	CS111	Data Structures Lab	3	CD
EC101	Digital Design	8	F	CS104	Computer Organization and Architecture	8	F
EC110	Digital Design Lab	3	CC	EC103	Basic Electronic Circuits	8	CD
EC102	Electrical Circuit Analysis	8	F	EC111	Basic Electronics Lab	3	CC
HS101	English	4	CD	HS201	Introduction to Linguistics	6	CD
GE101	Induction Program	6	PP	CS104	Computer Organization and Architecture*	8	DD
EC102	Electrical Circuit Analysis	8	F	MA102	Mathematics II	8	F
CS101	Computer Programming	6	F				
EC101	Digital Design*	8	DD				
	Semester III (July – November) 2023				**Semester IV** (Jan – May) 2024		
MA203	Mathematics III	6	DD	MA305	Optimization Techniques	6	F
MA205	Discrete Mathematics	6	CD	CS231	Operating Systems	6	CD
CS201	Algorithms	6	F	CS232	Operating Systems Lab	3	CC
CS210	Algorithm Lab	3	DD	CS235	Artificial Intelligence	6	CD
CS202	IT Workshop I	7	CC	CS236	Artificial Intelligence Lab	3	CC
SC201	Physics I	6	CC	CS240	Database Management Systems	6	BC
HS303	Indian Writing in English	6	DD	CS241	DBMS Lab	3	DD
CS201	Algorithms*	6	DD	SC202	Chemistry	6	BC
CS101	Computer Programming*	6	DD			6	
CS110	Computer Programming Lab**	3	DD	MA102	Mathematics II*	8	CD
				MA305	Optimization Techniques*	6	DD
	Semester V (July – November) 2024				**Semester VI** (Jan – May) 2025		
CS301	Theory of Computation	8	BC	CS330	Software Engineering	6	CD
CS352	Computer Networks	6	CD	CS331	Software Engineering Lab	3	BB
CS353	Computer Networks Lab	3	DD	CS320	Compilers	6	CD
CS306	Machine Learning	6	F	CS321	Compilers Lab	3	BB
CS360	Machine Learning Lab	3	CC	CS361	Computer Security	6	CC
CS351	IT Workshop II: Cloud Computing	7	CC	SC302	Physics II	6	CD
SC301	Biology	6	BB	CS481	Reinforcement Learning	6	CC
HS309	Fundamentals of Accounting and Corporate Financial Reporting	6	BC	HS308	Entrepreneurship: Theory and Practice	6	AB
EC102	Electrical Circuit Analysis	8	F				
CS306	Machine Learning*	6	CD				
	Semester VII (July – November) 2025						
CS401	Data Analytics	6	DD				
CS683	Natural Language Processing	6	BB				
CS471	Deep Learning	6	CC				
CS462	Computer Vision	6	CC				
CS480	Design & Implementation of Human-Computer Interfaces (NPTEL)	6	AB				
HS302	Language Cognition and Culture	6	CC				
EC102	Electrical Circuit Analysis	8	F				

* Passed after giving supplementary examination. ** Passed after repetition.

Semester and Cumulative Performance Index (S.P.I and C.P.I)

	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII	**Status**
S.P.I	2.95	3.80	4.65	5.45	5.25	6.29	5.32		**Incomplete**
C.P.I	2.95	3.39	4.14	4.72	5.03	5.24	5.40		

Date: 12th March, 2025 | **Associate Dean (Academic Affairs – UG)**

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Letter Grades	Grade Points
AA	10
AB	9
BB	8
BC	7
CC	6
CD	5
DD	4
F	0 (Fail)
PP	Pass
NP	Fail
I	Incomplete

Courses awarded with PP/NP grades are excluded in S.P.I. and C.P.I. calculations.

Abbreviations used	
Cr.	Credit
Gr.	Grade
S.P.I.	Semester Performance Index
C.P.I.	Cumulative Performance Index

- A student is considered to have completed a subject successfully and earned the credits if he secures a letter grade other than I or F in that subject.

- A student obtaining the grade 'F' in any subject will be deemed to have failed in that course. In case of a theory course, he/she can pass that course by giving supplementary examination. However, the highest grade that a student can get through this option is CC.
- If the student fails to clear the course in two supplementary chances, he/she will have to repeat the course.

- In case of failure in Laboratory/Practical subject, the student will have to re-register for it in the next appropriate semester and a student can get up to a letter grade AA.
- A student taking a course again or giving a supplementary examination will get two grades for the same course. The supplementary examination grades will be shown separately. The better of the two grades (the old and the new) of that course will be considered for S.P.I. and C.P.I. calculations.

- No Class or Division is awarded in this Institute.

The S.P.I. and C.P.I are calculated as:

$$\text{S. P. I.} = \sum_{i=1}^{N} C_i G_i / \sum_{i=1}^{N} C_i$$

and

$$\text{C. P. I.} = \sum_{i=1}^{M} C_i G_i / \sum_{i=1}^{M} C_i$$

C_i is the number of credits (Cr.) allotted to a particular course

G_i the grade points corresponding to the grade (Gr.) awarded for the course

N is the total number of courses registered in a semester.

M is the total number of courses registered so far.

- There is no specific formula for converting CPI to percentage marks at IIIT Guwahati. However, if required, the CPI may be multiplied by 10 for an indicative percentage of marks.

Verified: