भारतीय सूचना प्रौधोगिकी संस्थान गुवाहाटी

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI

Bachelor of Technology Grade Card (Semester I to VII)

Program Duration: 4 Years | **Semesters: Eight (8)**
Name: SARVJEET KUMAR | **Roll No.: 2001172**
Discipline: Computer Science and Engineering | **Year of Enrolment: 2020**

Course	Course Name	Cr.	Gr.	Course	Course Name	Cr.	Gr.
	Semester I (December 2020 – April 2021)				**Semester II** (April - July) 2021		
CS101	Computer Programming	6	BB	MA102	Mathematics II	8	AB
CS110	Computer Programming Lab	5	CC	CS103	Data Structures	8	BC
EC101	Digital Design	8	AB	CS111	Data Structures Lab	3	F
EC110	Digital Design Lab	3	BC	CS104	Computer Organization	8	BB
EC102	Electrical Circuit Analysis	8	BC	EC103	Basic Electronic Circuits	8	AB
MA101	Mathematics I	8	BC	EC111	Basic Electronic Lab	3	CC
HS101	English	4	BC	HS204	Introduction to Politics	6	CC
GE101	Induction Program	6	PP				
	Semester III (July - Nov) 2021				**Semester IV** (Jan - May) 2022		
MA203	Mathematics III	6	BB	CS205	Formal Languages and Automata	6	BC
MA205	Discrete Mathematics	6	BC	CS231	Operating Systems	6	BB
CS201	Algorithms	6	CC	CS232	Operating Systems Lab	4	BB
CS210	Algorithms Lab	3	BC	CS235	Artificial Intelligence	6	BC
CS202	IT Workshop I	5	BB	CS240	Database Management Systems	6	BB
CS221	Data Communication	6	CC	CS241	Database Management Systems Lab	4	AB
SC201	Physics I	6	BB	SC202	Chemistry	6	AA
HS205	Consumer Behaviour and Welfare Economics	6	BB	HS301	Macroeconomic Problems and Policies	6	BC
				CS111	Data Structures Lab**	3	BB
	Semester V (July - Nov) 2022				**Semester VI** (Jan - May) 2023		
CS301	Theory of Computation	6	CD	MA305	Optimization Techniques	6	AB
CS306	Machine Learning	6	BB	CS330	Software Engineering	6	AB
CS360	Machine Learning Lab	3	AB	CS331	Software Engineering Lab	4	AB
CS351	IT Workshop III : Cloud Computing	7	AB	CS320	Compilers	6	AA
CS352	Computer Networks	6	BC	CS321	Compilers Lab	3	BC
CS353	Computer Networks Lab	4	AA	CS361	Computer Security	6	BC
SC301	Biology	6	AA	SC302	Physics II	6	AB
HS407	Introduction to Folklore	6	BB	HS203	Science Fiction	6	BC
	Semester VII (July - Nov) 2023						
CS401	Data Analytics	6	BB				
CS412	Game Theory	6	BB				
CS472	Deep Learning	6	BC				
CS683	Natural Language Processing	6	BB				
HS408	Understanding the Fundamentals of Stock Markets	6	AB				

* 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	7.40	7.23	7.25	7.96	8.14	8.44	8.00		**Incomplete**
C.P.I	7.40	7.31	7.29	7.60	7.71	7.83	7.85		

Date: 19th December, 2023 | **Associate Dean (Academic Affairs - UG)**

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.

Verified: