



**Statement of Grades**

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<b>Roll Number</b>	IMT2020021
<b>Daughter / Son of</b>	V.UPENDRA MUNIRATNAM

<b>Programme Name</b>	Integrated Master of Technology
<b>Branch</b>	Computer Science and Engineering
<b>Specialization</b>	

<b>Medium of Instruction</b>	English
<b>Admission Year</b>	2020
<b>Date of Birth</b>	06/03/2003

Course Code	Course Name	Credit	Grade	Course Code	Course Name	Credit	Grade	Course Code	Course Name	Credit	Grade	Course Code	Course Name	Credit	Grade
<b>Term I [2020-21]</b>				<b>Term II [2020-21]</b>				<b>Term I [2023-24]</b>				<b>Term II [2023-24]</b>			
ESS 102	Digital Design	4	C+	EG 101	Computer Networks	4	B	AI 901	Project Elective	4	A-	AI 901	Project Elective	4	A
ESS 111	Programming in C	2	B+	EG 102	Data Structures and Algorithms	4	B-	CS 514	Concrete Mathematics	4	A	CS/NC 882	Special Topics - Network-Based Computing for HPC	4	B
ESS 112	Programming in Python	2	B-	EG 102P	Data Structures Lab	2	A	CS 731	Software Testing	4	A	CS 837	Healthcare Application Development	4	B-
GEN 101	English	2	D	EG 211	Computer Architecture	4	B+	CS 816	Software Production Engineering	4	A-	CS 902	Reading Elective	4	A
HS 101	Economics	4	C+	GEN 201	Technical Communication	2	B-					SM 602	Introduction to Nonlinear Dynamical Systems	4	A-
SM 103	Mathematics - 1	4	B-	SM 102	Mathematics - 2	4	B								
<b>SGPA</b>	<b>2.45</b>	<b>Total Credits</b>	<b>18</b>	<b>SGPA</b>	<b>3.09</b>	<b>Total Credits</b>	<b>20</b>	<b>SGPA</b>	<b>3.85</b>	<b>Total Credits</b>	<b>16</b>	<b>SGPA</b>	<b>3.48</b>	<b>Total Credits</b>	<b>20</b>
<b>Term I [2021-22]</b>				<b>Term II [2021-22]</b>											
CS 201	Discrete Mathematics	4	B-	CS 212	Design and Analysis of Algorithms	3	C								
ESS 103	Signals and Systems	4	B-	CS 301	Database Systems	3	C+								
ESS 201	Programming II	4	B+	CS 301P	Database Lab	1	A								
SM 211	Mathematics 3	4	B	EG 301	Operating Systems	3	B+								
SM 213	Physics - 1/Lab	4	B+	EG 301P	Operating Systems Lab	1	A								
				HSS 109	A History of Ideas	4	B								
				SM 402	Basic Computational Topology	4	B								
<b>SGPA</b>	<b>3.04</b>	<b>Total Credits</b>	<b>20</b>	<b>SGPA</b>	<b>2.91</b>	<b>Total Credits</b>	<b>19</b>								
<b>Term I [2022-23]</b>				<b>Term II [2022-23]</b>											
AI 511	Machine Learning	4	A-	AI 724	Statistical Techniques for Spatio-Temporal Data Analysis	4	A-								
AI 512	Mathematics for Machine Learning	4	A												
AI 703	Geographic Information Systems	4	B-	AI 825	Visual Recognition	4	B+								
CS 303	Software Engineering	3	C	AI 901	Project Elective	4	A								
CS 303P	Software Engineering Lab	1	A-	AI 902	Reading Elective	4	A								
CS 307	Introduction to Automata Theory & Computability	3	A	CS 836	Simulation and Modeling of Data using High Performance Computing	4	A-								
DT 306	Privacy in the Digital Age	4	B												
<b>SGPA</b>	<b>3.27</b>	<b>Total Credits</b>	<b>23</b>	<b>SGPA</b>	<b>3.76</b>	<b>Total Credits</b>	<b>20</b>								

**Cumulative Grade Point Average (CGPA): 3.23 / 4.00**

**Total Credits: 156**

**For Office Use**

Date: 20-Jul-2024

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SR Sridhar  
Commodore (Retd)

**Registrar**

*Please see reverse for additional information to note.*

Specializations:

TSCD: Theory and Systems for Computing and Data;

AIML: Artificial Intelligence and Machine Learning;

NWCOM: Networking and Communication;

VLSI: VLSI Systems;

DT: Digital Society.

## Transcript Notes

- IIITB follows a 4-point grading scheme. Students are awarded Letter grades in courses as shown in the table below. The grade point equivalent of the letter is also shown in the table.

Letter Grade	A	A-	B+	B	B-	C+	C	D	F	S	P
Grade Points	4.0	3.7	3.4	3.0	2.7	2.4	2.0	1.0	0.0	0.0	0.0
Description	Excellent		Good			Satisfactory		Poor	Failure	Satisfactory	Pass

**S: Satisfactory X: Unsatisfactory I: Incomplete P: Pass**

- Cumulative Grade Point Average (CGPA) is the average of the grade points obtained by the student weighted by the credits associated in each of the courses taken by the student. If the grade points awarded to a student are  $G_1, G_2$ , etc. In the courses with corresponding credits  $U_1, U_2$ , etc, the CGPA is given by

$$CGPA = \frac{U_1 * G_1 + U_2 * G_2 + \dots}{U_1 + U_2 + \dots}$$

- The minimum Cumulative Grade Point Average (CGPA) required for a student to graduate is 2.4.
- If a student repeats a course, both the old grade and new grade are shown in the transcript with appropriate annotation indicating reasons like:  
 \* = *Repeated*, \$ = *Substitute*, # = *Grade Improvement*
- An academic Year is comprised of three terms: *Term I* (August - November), *Term II* (Jan - April), *Summer* (June - July). First year M.Tech. students have an additional *Preparatory Term* of 3 weeks duration in the month of July.
- IIITB does not prescribe any formula for conversion of CGPA into equivalent percentage or any other scale.

### Course Category Prefix Information

Course	Category
SM	Mathematics and Basic Science
CC	Information Technology Core
CS	Computer Science
DS	Data Science
DT	Digital Society
ESS	Basic Engineering Science / Skills
EG	Engineering Core
GEN	General Skills
BS	Basic Science

Course	Category
ESD	Electronics Systems Design
HSS	Humanities and Social
ITD	IT in Domains
NC	Networking & Communication
OT	Others
SE	Software Engineering
SP	Signal Processing and Pattern Recognition
ES	Engineering Science

### Term Calendar Information

Term	Calendar
Term I	August - December
Term II	January - May
Term III	June - July