

Name	Ajay Ramesh Ranganathan
Roll Number	IMT2017502
Daughter / Son of	Ramesh Ranganathan

Programme Name	Integrated Master of Technology
Branch	
Specialization	


Medium of Instruction	English
Admission Year	2017
Date of Birth	18/12/1998

Course Code	Course Name	Credit	Grade	Course Code	Course Name	Credit	Grade
Term I [2017-18]				Term II [2017-18]			
ESS 101	Programming I	4	B	EG 101	Computer Networks	4	B+
GEN 101	English	2	A-	EG 102	Data Structures and Algorithms	4	B-
GEN 102	Physical Education 1	0	P	EG 102P	Data Structures Lab	2	B+
HS 101	Economics	4	B-	ESS 102	Digital Design	4	A
SM 101	Chemistry	3	B-	GEN 201	Technical Communication	2	B+
SM 103	Mathematics - 1	4	B-	SM 101P	Computational Chemistry	1	A-
				SM 102	Mathematics - 2	4	B+
SGPA	2.88	Total Credits	17	SGPA	3.39	Total Credits	21
Term I [2018-19]				Term II [2018-19]			
EC 201	Basic Electronics	2	A	EC 202	Electronic Devices and Circuits	3	A-
EC 201P	Electronics Lab	2	A	EC 202P	Electronic Devices and Circuits lab	1	A
EG 201	Computer Architecture	3	A-	ESS 103	Signals and Systems	4	B+
EG 201P	Computer Architecture Lab	1	A-	HSS 103	History of Ideas	4	A-
ESS 201	Programming II	4	A-	SM 202	Mathematics - 4	4	B
SM 201	Mathematics - 3	4	C	SM 204	Physics-2	3	B
SM 203	Physics - 1	3	B	SM 204P	Physics-2 Lab	1	A-
SM 203P	Physics Lab - 1	1	A-				
SGPA	3.31	Total Credits	20	SGPA	3.41	Total Credits	20
Term I [2019-20]				Term II [2019-20]			
EC 302	Microprocessors and Microcontrollers	3	A-	DS/SP 823	Automatic Speech Recognition	4	A-
EC 302P	Microprocessors and Microcontrollers Lab	1	B+	EC 306	Digital Communication	3	A
EC 303	Principles of Communication Systems	3	A	EC 306P	Digital Communication Lab	1	A
EC 303P	Principles of Communication Systems Lab	1	A	EG 301	Operating Systems	3	A-
EC 304	Signal Processing	3	A	EG 301P	Operating Systems Lab	1	A-
GEN 511	Machine Learning	4	A-	HSS 106	Digital Sociology	4	A
GEN 512	Mathematics for Machine Learning	4	B+	NC 812/ESD 812	Internet of Things	4	A
SGPA	3.73	Total Credits	19	SP 825	Visual Recognition	4	A-
				SGPA	3.85	Total Credits	24

Course Code	Course Name	Credit	Grade
Term I [2020-21]			
AI 901	Project Elective	4	A
CS 604	Artificial Intelligence	4	A
DT 313	Technology Ethics & Artificial Intelligence	4	A
EC 305	Control theory	3	A
VL 503	Digital CMOS VLSI Design	4	B+
SGPA	3.87	Total Credits	19

Cumulative Grade Point Average (CGPA): 3.51 / 4.00

Total Credits: 140

For Office Use	
Date: 24-Feb-2021	<div style="text-align: center;">  SR Sridhar Commodore (Retd) Registrar </div>

Transcript Notes

1. 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

2. 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

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

3. The minimum Cumulative Grade Point Average (CGPA) required for a student to graduate is 2.4.

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*

5. 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.

6. 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