# International Institute of Information Technology Bangalore



26/C Electronics City, Hosur Road, Bengaluru 560100, INDIA http://www.iiitb.ac.in +91 80 41407777



# **Statement of Grades**

Name	/anarasi Chakradhar	
Roll Number	IMT2020021	
Daughter / Son of	V.UPENDRA MUNIRATNAM	

Programme Name	mme Name Integrated Master of Technology	
Branch	Computer Science and Engineering	
Specialization		

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

Course Code	Dauginei / S	V.01	PENDRA MUNIKAT	INAIVI				Specia	alizatio	n 
ESS 102         Digital Design         4         C+         EG 101         Computer Networks         4         B           ESS 111         Programming in C         2         B+         EG 102         Data Structures and Algorithms         4         B-           ESS 112         Programming in Python         2         B-         EG 102P         Data Structures Lab         2         A           HS 101         Economics         4         C+         EG 102P         Data Structures Lab         2         A           SM 103         Mathematics - 1         4         B-         GEN 201         Technical Communication         2         B-           SM 102         Mathematics - 2         4         B         B         SGPA         3.09         Total Credits         20           Term I [2021-22]         Term II [2021-22]           Term II [2021-22]         Term II [2021-22]           Term II [2021-22]           Term II [2021-22]           Term II [2021-22]           Term II [2021-22]           Term II [2021-22]           Term II [2022-23]           Al 70a Credits         20         SGPA         <	Course Code	e Co	ourse Name	Credit	Grade	Course Cod	le Cour	se Name	Credit	Grad
ESS 111	Term I [2020	-21]				Term II [202				
ESS 112	ESS 102	Digital Des	sign	4	C+	EG 101	Computer Ne	tworks	4	В
Find   Find	ESS 111	Programmi	ing in C	2	B+	EG 102		es and	4	B-
Serval   English   2	ESS 112	Programmi	ing in Python	2	B-	FO 400D	ū		_	
SM 103   Mathematics - 1	GEN 101	English		2	D					
SGPA   2.45   Total Credits   18   SGPA   3.09   Total Credits   20	HS 101	Economics	5	4	C+	_	•		•	
SGPA   2.45   Total Credits   18   SGPA   3.09   Total Credits   20	SM 103	Mathematic	cs - 1	4	B-				_	_
Term						SM 102	Mathematics	- 2	4	В
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+           SM 211         Mathematics 3         4         B         CS 301P         Database Lab         1         A           SM 213         Physics - 1/Lab         4         B+         EG 301P         Operating Systems         3         B+           EG 301P         Operating Systems Lab         1         A         A         HSS 109         A History of Ideas         4         B           SGPA         3.04         Total Credits         20         SGPA         2.91         Total Credits         19           Term I [2022-23]           Al 511         Machine Learning         4         A-         A         AI 724         Statistical Techniques for Spatio-Temporal Data Analysis         A-         AI 825         Visual Recognition         4         B-         AI 825         Visual Recognition         4         B-         AI 901         Project Elective         4         A           CS 303         Software Engineering Lab         1         A-	SGPA	2.45	Total Credits	18		SGPA	3.09	Total Credits	20	
Algorithms	Term I [2021					Term II [202				
ESS 201 Programming II	CS 201			4	B-	CS 212		nalysis of	3	С
SM 211 Mathematics 3 4 B EG 301P Database Lab 1 A B EG 301P Operating Systems 3 B EG 301P Operating Systems Lab 1 A HSS 109 A History of Ideas 4 B SM 402 Basic Computational Topology 4 B SGPA 3.04 Total Credits 20 SGPA 2.91 Total Credits 19  Term I [2022-23]  AI 511 Machine Learning 4 A A A A A A A A A A A A A A A A A A	ESS 103	Signals and	d Systems	4	B-	00.004	•		•	٥.
SM 213 Physics - 1/Lab	ESS 201	Programming II			B+		,			
SM 213 Physics - 17Lab 4 B+ EG 301P Operating Systems Lab 1 A HSS 109 A History of Ideas 4 B SM 402 Basic Computational Topology 4 B  SGPA 3.04 Total Credits 20 SGPA 2.91 Total Credits 19  Term I [2022-23]  AI 511 Machine Learning 4 A- Statistical Techniques for 4 A- Spatio-Temporal Data Analysis Learning  AI 703 Geographic Information Systems AI 901 Project Elective 4 A CS 303 Software Engineering 3 C AI 902 Reading Elective 4 A CS 303P Software Engineering Lab 1 A- CS 307 Introduction to Automata Theory & Computability  DT 306 Privacy in the Digital Age 4 B	SM 211	Mathematics 3			В					
HSS 109 A History of Ideas 4 B SM 402 Basic Computational Topology 4 B  SGPA 3.04 Total Credits 20 SGPA 2.91 Total Credits 19  Term I [2022-23]  AI 511 Machine Learning 4 A-AI Statistical Techniques for Spatio-Temporal Data Analysis AI 703 Geographic Information Systems AI 901 Project Elective 4 A AI 901 Project Elective 4 A AI 901 Project Elective 4 A AI 901 Software Engineering Lab 1 A-CS 303 Software Engineering Lab 1 A-CS 307 Introduction to Automata 3 A Theory & Computability  DT 306 Privacy in the Digital Age 4 B	SM 213	Physics - 1/Lab			B+				-	
SGPA 3.04 Total Credits 20  SGPA 2.91 Total Credits 19  Term I [2022-23]  AI 511 Machine Learning 4 A- AI 512 Mathematics for Machine Learning AI 703 Geographic Information Systems  AI 703 Software Engineering 3 C CS 303 Software Engineering Lab CS 307 Introduction to Automata Theory & Computability  DT 306 Privacy in the Digital Age 4 B							. ,			
SGPA 3.04 Total Credits 20  SGPA 2.91 Total Credits 19  Term I [2022-23]  AI 511 Machine Learning 4 A- AI 512 Mathematics for Machine Learning 4 A A- Spatio-Temporal Data Analysis  AI 703 Geographic Information 4 B- AI 901 Project Elective 4 A A- AI 901 Project Elective 4 A A- AI 901 Project Elective 4 A AI 902 Reading Elective 4 A AI 902 Reading Elective 4 AI 902 Software Engineering Lab 1 A- CS 303 Software Engineering Lab 1 A- CS 307 Introduction to Automata 3 A Theory & Computability  DT 306 Privacy in the Digital Age 4 B							,		-	_
Term I [2022-28]  Al 511 Machine Learning 4 A- Al 512 Mathematics for Machine 4 A Learning  Al 703 Geographic Information Systems  CS 303 Software Engineering 3 C CS 303P Software Engineering Lab CS 307 Introduction to Automata Theory & Computability  DT 306 Privacy in the Digital Age  Term II [2022-28]  Al 724 Statistical Techniques for 4 A- Spatio-Temporal Data Analysis  Al 825 Visual Recognition 4 B+ Al 901 Project Elective 4 A CS 836 Simulation and Modeling of 4 A- Data using High Performance Computing						SM 402	Basic Compu	tational Topology	4	В
Al 511 Machine Learning 4 A- Al 512 Mathematics for Machine Learning  Al 703 Geographic Information Systems  Al 825 Visual Recognition 4 B- Al 901 Project Elective 4 A  CS 303 Software Engineering 3 C Al 902 Reading Elective 4 A  CS 303P Software Engineering Lab 1 A- CS 307 Introduction to Automata Theory & Computability  DT 306 Privacy in the Digital Age 4 B	SGPA	3.04	Total Credits	20		SGPA	2.91	Total Credits	19	
Al 512 Mathematics for Machine Learning  Al 703 Geographic Information Systems  Al 825 Visual Recognition 4 B+ Al 901 Project Elective 4 A  CS 303 Software Engineering 3 C Al 902 Reading Elective 4 A  CS 303P Software Engineering Lab 1 A- CS 307 Introduction to Automata Theory & Computability  DT 306 Privacy in the Digital Age 4 B	Term I [2022	-23]				Term II [202				
Al 703 Geographic Information Systems 4 B- Al 825 Visual Recognition 4 B- Al 901 Project Elective 4 A A CS 303 Software Engineering 3 C Al 902 Reading Elective 4 A A CS 303P Software Engineering Lab 1 A- CS 307 Introduction to Automata 3 A Data using High Performance Computing DT 306 Privacy in the Digital Age 4 B	AI 511	Machine Le	earning	4	A-	AI 724			-	A-
Al 901 Project Elective 4 A  CS 303 Software Engineering 3 C Al 902 Reading Elective 4 A  CS 303P Software Engineering Lab 1 A-  CS 307 Introduction to Automata 7 Theory & Computability  DT 306 Privacy in the Digital Age 4 B	AI 512		cs for Machine	4	Α			,	;	
CS 303 Software Engineering 3 C Al 902 Reading Elective 4 A CS 303P Software Engineering Lab 1 A- CS 307 Introduction to Automata 3 A Theory & Computability  DT 306 Privacy in the Digital Age 4 B	AI 703		c Information	4	B-		Ü		4	
CS 303P Software Engineering Lab 1 A- CS 307 Introduction to Automata 3 A Theory & Computability  DT 306 Privacy in the Digital Age 4 B		Systems					,		4	Α
CS 307 Introduction to Automata 3 A Data using High Performance Computing  DT 306 Privacy in the Digital Age 4 B	CS 303	Software Engineering		3	С	AI 902	Reading Elec	tive	4	Α
Theory & Computability  DT 306 Privacy in the Digital Age 4 B	CS 303P	Software Engineering Lab		1	A-	CS 836			4	A-
	CS 307			3	Α			gh Performance		
SGPA 3.27 Total Credits 23 SGPA 3.76 Total Credits 20	DT 306	Privacy in t	the Digital Age	4	В					
	SGPA	3.27	Total Credits	23		SGPA	3.76	Total Credits	20	

Course Co	de Co	urse Name	Credi	t Grade	Course Cod	е	Course Name	Credit	Grade
Term I [20	23-24]				Term II [202	3-24]			
AI 901	Project Elec	ctive	4	A-	AI 901	Project	Elective	4	Α
CS 514	Concrete Mathematics		4	Α	CS/NC 882		Topics - Network-	4	В
CS 731	Software Te	Software Testing		Α		Based (	Computing for HPC		
CS 816	Software Pr		4	A-	CS 837	Healtho Develor	are Application oment	4	B-
	g	•			CS 902	Reading	g Elective	4	Α
					SM 602		ction to Nonlinear cal Systems	4	A-
SGPA	3.85	Total Credits	16		SGPA	3.48	Total Credits	20	

Cumulative Grade Point Average (CGPA): 3.23 / 4.00

**Total Credits: 156** 

Date: 20-Jul-2024

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**

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	Α	A-	B+	В	B-	C+	С	D	F	S	Р
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	Exce	llent	Good			Satisf	actory	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<sub>1</sub>, G<sub>2</sub>, etc. In the courses with corresponding credits U<sub>1</sub>, U<sub>2</sub>, etc., the CGPA is given by

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

- 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