

## भारतीय प्रौद्योगिकी संस्थान धारवाड INDIAN INSTITUTE OF TECHNOLOGY DHARWAD

धारवाड / Dharwad, / कर्नाटक / Karnataka 580 011



Name of the Student:	180010027 RISHIT NILESH SAIYA Bachelor of Technolo	ogy (B.Tec	h.)		Academi Joining	c Unit: Month & Year:	Computer Science & E July 2018	ngineeri	ng	
Code Name		Credits	Tag	Grade	Code	Name		Credits	Tag	Grade
	Aca	demic Yea	r: 20	018 - 20	) 19, Term	1: Semester Autumn				
CH 101 Chemistry for Engine	eers: Fundamental	8.0	MA	AA	ME 111	Engineering Graph:	ics Lab	5.0	MA	BB
concepts and Applica	ations				ME 113	Hands on Engineer:	ing Lab	3.0	MA	AA
CH 111 Chemistry Lab		3.0	MA			National Sports On	0	0.0	MA	
HS 101 Introduction to Find MA 101 Calculus	e Arts	1.0		PP	PH 101	Quantum Physics an	nd Applications	6.0	MA	AA
		8.0	MA	AA		70/10				
SPI=9.70/10					CPI=9.	70710				
	Aca	demic Yea	r: 20	018 - 20	019, Term	1: Semester Spring				
BB 101 Essential Biology fo	or Engineers	7.0	MA	BB	MA 103	Differential Equat	tions I	4.0	MA	BC
CS 101 Computer Programming		8.0	MA	AB		National Sports On	•	0.0	MA	PP
EE 101 Introduction to Electrical Systems and		7.0	MA	AA		Electricity and Ma	5	6.0	MA	
Electronics 1A 102 Linear Algebra		4.0	MA	ΔR	PH 111	Physics Laboratory	y	3.0	MA	AA
SPI=9.03/10		4.0	114	AD	CPI=9.	22/10				
5F1-9.03/10					CF1-9.	33710				
	Aca	demic Yea	r: 20	019 - 20	020, Term	1: Semester Autumn				
CS 201 Data Structures and	Algorithms	6.0	MA	BC		Data Analysis		6.0	MA	AB
CS 203 Discrete Structures		6.0	MA			Economics		6.0	MA	
CS 211 Data Structures and		3.0	MA		HS 202	Wellness Software		2.0	AL0	AA
CS 213 Software Systems La	0	8.0	MA	BB						
SPI=8.19/10					CPI=8.	94/10				
	Aca	demic Yea	r: 20	019 - 20	020, Term	1: Semester Spring				
CH 301 Environmental Studie	es	6.0	MA	AA	CS 212	Computer Networks	Laboratory	3.0	MA	AB
CS 202 Automata Theory		8.0	MA	CC	EE 204	Digital Systems		6.0	MA	BB
CS 204 Computer Networks		6.0	MA	AB	EE 214	Digital Circuits I	_ab	3.0	MA	AA
CS 205 Design and Analysis	of Algorithms	6.0	MA	BC						
SPI=8.13/10					CPI=8.	73/10				
	Aca	demic Yea	r: 20	020 - 20	)21, Term	1: Semester Autumn				
CS 301 Computer Architectu	re	6.0	MA	AB	CS 313	Data Bases and Int	formation Systems	3.0	MA	AA
CS 303 Data Bases and Info	rmation Systems	6.0	MA	BB		Laboratory				
CS 309 Research and Develo	-	6.0		BC			on and Machine Learning		MA	
CS 311 Computer Architectu	re Lab	3.0	MA	AA	HS 301	Philosophy		6.0	MA	AA
SPI=8.62/10					CPI=8.	71/10				
	Aca	demic Yea	r: 20	020 - 20	021, Term	1: Semester Spring				
CS 302 Artificial Intellig		6.0	MA			Compilers Laborato	orv	3.0	MA	AA
CS 304 Operating Systems		6.0	MA			Compilers	- u	6.0	MA	
CS 312 Artificial Intellig	ence Lab	3.0	MA			Technological Enti	repreneurship	6.0	MA	
CS 314 Operating Systems La	aboratory	3.0	MA	AA						
SPI=9.27/10					CPI=8.	79/10				
	٨٢٥	demic Vea	r · 21	21 - 20	)22 Torn	1: Semester Autumn				
CH 105 Our Haalth and Made							volonmont	2 0	МА	٨D
CH 405 Our Health and Medio CS 405 B.Tech Project-CSE	LINE	6.0 6.0	MA MA	AP AA		Cloud Software Dev Happiness and Well		3.0 6.0	MA MA	
-		0.0	ПA	~~			L DOTING	0.0	11A	~~
SPI=9.86/10					CPI=8.	89/10				

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धारवाड / Dharwad. / कर्नाटक / Karnataka 580 011



Name of the Student: RISHIT NILESH SAIYA

Name of the Student: RISHIT NILESH SAIYA				Roll Number	: 18001002
Code Name	Credit	s Tag Grade	Code Name	Credits	Tag Grad
	Academic Ye	ear: 2021 - 2	022, Term: Semester Spring		
CH 303 Bioenergy and Biofuels	6.0	MA AP	CS 409 B.Tech Project CSE - II	6.0	MA AA
SPI=10.00/10			CPI=8.94/10		
Mandatory Course Credits (MA)		= 251.0	Overall CPI	=	8.94/10
Additional Learning Opportunities course (ALO)	Credits	•	1 credit ALO courses=0, No of 2 credit ALO co it ALO courses=0)	ourses=1,	
Overall Credits Completed		= 253.0			
Overall Grade Points		= 2253.0			

## Final Result

The student has completed the academic requirements of the programme in the month of June 2022 for the award of Bachelor of Technology in Computer Science & Engineering

Signature & Seal of Transcript Issuing Authority:

28 66 2822

AssAssistanti Registrard (Academics) rwad Petdian®hystitute26f Technology Dharwad Place: Nearwaligh Court, P. B. Road Dharwad-580011, Kamataka General Information

The medium of instruction at the Institute is English.

Course credits and grade: Each course is associated with credits which are an indicator of its relative weight in calculating the academic performance. A two-letter grade is awarded to students on the basis of their performance in examinations and assignments of a specific course. The letter grades have numerical equivalents on a 0-10 scale as given below.

Letter Grade	AP	AA	АВ	BB	BC		CD	DD	FR	w	DX	РР	NP	AU
Numerical Equivalent	10	10	9	8	7	6	5	4	0	-	-	_	_	_

FR: Fail and repeat, W: Withdrawn, DX: Insufficient attendance, AU: Satisfactory performance in an audit course, PP: Pass, NP: Not Pass. The minimum passing grade in a course is DD. The grade AP is awarded to students with exceptional performance in core courses of a programme. Numerical equivalents of letter grades are referred to as grade points.

The numerical grade points are not convertible into marks or percentages.

Performance Indicators: The performance of a student in a semester is given by a number called the Semester Performance Index (SPI), which is the weighted average of the earned grade points in the courses during the semester.

If a student has courses with credits  $C_1, C_2, ..., C_n$ , with grade points of  $G_1, G_2, ..., G_n$  respectively, then

Semester Credits = $C_1 + C_2 + + C_n$	Semester Grade Points = $C_1G_1 + C_2G_2 + + C_nG_n$	SPI = Semester Grade Points ÷ Semester Credits
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Cumulative Performance Index (CPI) is the weighted average of the grade points in the courses in all semesters. The indices SPI and CPI are calculated up to two decimal places.

Courses are tagged as MA: Mandatory (Core/Elective), MI: Minor, HO: Honours, ALO: Additional Learning Opportunities, AU: Audit

- Each degree programme has mandatory credits consisting of core courses, elective courses, and non credit courses. These courses are tagged as MA.
- For calculation of SPI and CPI, grades obtained in mandatory courses (MA) and in additional learning opportunities (ALO) are considered. Provided these ALO courses followed regular grading system followed for mandatory courses.
- Students can supplement the learning experience by crediting additional courses. Credits earned in these courses, when appropriate, can earn additional credentials either in the form of "Honours" (HO) in the chosen discipline or "Minor" (MI) in another discipline or both.
- "Honours" is not indicative of proficiency, and can be earned by completing the additional prescribed set of advanced core and elective courses in the chosen discipline. "Minor" can be earned by completing the prescribed set of courses in a discipline other than the chosen discipline. Additional courses that are not used for earning "Honours" or "Minor" are tagged as "Additional Learning Opportunities" (ALO).
- The AU is awarded based on satisfactory attendance and fulfilling the minimum requirements as set by the course instructor. It carries no grade points and does not figure in SPI or CPI calculations.
- PP or NP is awarded in some mandatory and additional learning opportunities credit courses that are not earmarked with a letter grade. Correspondingly, PP/NP does not carry a grade point.

The Institute does not award any class or division. Notionally, the CPI may be multiplied by a factor of 10 to obtain a numerical percentage.

END OF TRANSCRIPT