



**NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA**  
**GRADE CARD FOR INFORMATION OF STUDENT ONLY**  
**MASTER OF SCIENCE**

Name : **AKASH K V**  
Roll No. : **420PH5021**

Branch : **PHYSICS**  
Joined : **AY 2020-21**      Graduated : **AY**

1st Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA1001	Mathematics - I	3-1-0	4	P
CH1400	Environment and Safety Engineering	3-0-0	3	D
EC1000	Basic Electronics Engineering	3-0-0	3	D
PH1001	Physics - I	2-1-0	3	D
HS1300	Communicative English	2-0-0	2	D
LS1001	Biology	2-0-0	2	D
CE1701	Engineering Drawing	0-0-3	2	B
CY1170	Chemistry Laboratory	0-0-3	2	B
EA1273	NSS - I	0-0-3	1	A
Semester Credits: 22		Semester Grade Point Average (SGPA):		6.32
Total Credits: 22		Cummulative Grade Point Average (CGPA):		6.32

3rd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA2203	Introduction to Probability and Statistics	3-1-0	4	B
CY2301	Physical Chemistry: Equilibrium and Changes	3-0-0	3	B
HS1331	Introduction to Society and Culture	3-0-0	3	C
PH2001	Waves and Oscillations	3-0-0	3	C
PH3006	Basic Mathematical Physics	3-0-0	3	P
PH3071	Properties of Matter Laboratory	0-0-3	2	A
CY2701	Functional Group Identification Laboratory	0-0-2	1	C
EC2700	Basic Electronics Laboratory	0-0-2	1	A
Semester Credits: 20		Semester Grade Point Average (SGPA):		7.35
Total Credits: 66		Cummulative Grade Point Average (CGPA):		6.76

5th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA3101	Introduction to Algebra: Group and Ring Theory	3-1-0	4	P
MA3103	Introduction to Real Analysis and Metric Spaces	3-1-0	4	P
PH3001	Thermal and Statistical Physics	3-1-0	4	C
PH2003	Electricity and Magnetism	3-0-0	3	P
PH3062	Vacuum Science and Applications	3-0-0	3	C
CY3701	Basic Inorganic Chemistry Laboratory - I	0-0-3	2	C
PH2071	Electricity and Magnetism Laboratory	0-0-2	1	A
Semester Credits: 21		Semester Grade Point Average (SGPA):		6.05
Total Credits: 107		Cummulative Grade Point Average (CGPA):		6.68

2nd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CE1000	Engineering Mechanics	3-1-0	4	D
MA1002	Mathematics - II	3-1-0	4	P
CY1101	Chemistry	2-1-0	3	D
EE1000	Basic Electrical Engineering	3-0-0	3	D
PH1002	Physics - II	2-1-0	3	C
CS1000	Basic Programming	1-0-2	2	B
PH1070	Physics Laboratory	0-0-3	2	B
WS1151	Workshop Practice - I	0-0-3	2	A
EA1276	Physical Education - II	0-0-3	1	A
Semester Credits: 24		Semester Grade Point Average (SGPA):		6.67
Total Credits: 46		Cummulative Grade Point Average (CGPA):		6.50

4th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA2306	Mathematical Methods	3-1-0	4	C
CY2202	Structure and Bonding in Inorganic Chemistry	3-0-0	3	B
HS1326	Cognitive Science	3-0-0	3	B
PH2002	Optics	3-0-0	3	D
PH2004	Introduction To Classical Mechanics	3-0-0	3	P
PH2072	Waves and Optics Laboratory	0-0-3	2	B
EE2700	Basic Electrical Engineering Laboratory	0-0-2	1	B
HS1270	Language Laboratory	0-0-2	1	A
Semester Credits: 20		Semester Grade Point Average (SGPA):		7.10
Total Credits: 86		Cummulative Grade Point Average (CGPA):		6.84

6th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
MA2104	Complex Analysis	3-1-0	4	C
MA3202	Linear Programming	3-1-0	4	B
PH3002	Introduction To Condensed Matter Physics	3-0-0	3	D
PH3005	Elements of Quantum Mechanics	3-0-0	3	P
SM6611	Business Research Methodology	3-0-0	3	C
PH3072	Thermal Physics Laboratory	0-0-3	2	B
PH4073	Computer Programming Laboratory	0-0-3	2	EX
Semester Credits: 21		Semester Grade Point Average (SGPA):		7.14
Total Credits: 128		Cummulative Grade Point Average (CGPA):		6.76

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7th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
PH4001	Mathematical Methods in Physics	3-1-0	4	B
PH4002	Electrodynamics	3-1-0	4	D
PH4003	Classical Mechanics	3-1-0	4	D
PH4005	Quantum Mechanics - I	3-1-0	4	D
HS5171	Advanced Language Laboratory	0-0-3	2	A
PH4071	Modern Physics Laboratory	0-0-3	2	B
Semester Credits: 20		Semester Grade Point Average (SGPA):		6.90
Total Credits: 148		Cummulative Grade Point Average (CGPA):		6.78

8th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
PH4004	Statistical Mechanics	3-1-0	4	C
PH4006	Quantum Mechanics - II	3-1-0	4	P
PH5003	Condensed Matter Physics	3-1-0	4	P
PH5005	Atomic and Molecular Physics	3-0-0	3	D
PH4072	Condensed Matter Physics Laboratory	0-0-3	2	B
PH5074	Thin Film and Low Temperature Physics Laboratory	0-0-3	2	B
Semester Credits: 19		Semester Grade Point Average (SGPA):		6.21
Total Credits: 167		Cummulative Grade Point Average (CGPA):		6.71