



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

GRADE CARD

BACHELOR OF TECHNOLOGY

Name : **ARVIND KUSHWAHA**
Roll No. : **116CH0105**

Branch : **CHEMICAL ENGINEERING**
Joined : **AY 2016-17** Graduated : **AY 2019-20**

1st Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CE100	Engineering Mechanics	3-1-0	4	C
EE100	Basic Electrical Engineering	3-1-0	4	D
CY101	Chemistry	3-1-0	4	P
MA101	Mathematics - I	3-1-0	4	P
PH101	Physics - I	3-1-0	4	C
CE171	Engineering Drawing	0-0-3	2	A
CS171	Computing Laboratory - I	0-0-3	2	C
PH170	Physics Laboratory	0-0-3	2	A
WS171	Workshop Practice I	0-0-3	2	EX
EA173	NSS-I	0-0-3	2	A
Semester Credits :	30	Semester Grade Point Average (SGPA):	6.93	
Total Credits :	30	Cumulative Grade Point Average (CGPA):	6.93	

2nd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CE130	Environment and Safety Engineering	3-1-0	4	B
CS102	Data Structures and Algorithms	3-1-0	4	P
EC100	Basic Electronics Engineering	3-1-0	4	D
LS100	Biology	3-1-0	4	D
MA102	Mathematics - II	3-1-0	4	P
CS172	Computing Laboratory - II	0-0-3	2	B
CY170	Chemistry Laboratory	0-0-3	2	B
ME170	Machine Drawing and Solid Modeling	0-0-3	2	B
WS172	Workshop Practice - II	0-0-3	2	A
EA176	Physical Education-II	0-0-3	2	A
Semester Credits :	30	Semester Grade Point Average (SGPA):	6.80	
Total Credits :	60	Cumulative Grade Point Average (CGPA):	6.87	

3rd Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CH211	Chemical Process Calculation	3-1-0	4	P
CH213	Chemical Engineering Thermodynamics	3-1-0	4	P
CH221	Fluid Dynamics	3-1-0	4	D
MA201	Mathematics - III	3-1-0	4	B
BM425	Biomaterials in Tissue Engineering	3-0-0	3	B
CH271	Process Technology Laboratory	0-0-3	2	A
CH273	Fuels and Combustion Laboratory	0-0-3	2	A
EC270	Basic Electronics Laboratory	0-0-3	2	B
MA270	Numerical Methods Laboratory	0-0-3	2	EX
Semester Credits :	27	Semester Grade Point Average (SGPA):	7.11	
Total Credits :	87	Cumulative Grade Point Average (CGPA):	6.94	

4th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CH224	Mass Transfer Operations - I	3-1-0	4	D
MA202	Mathematics - IV	3-1-0	4	P
BM324	Fundamentals of Tissue Engineering	3-0-0	3	A
CH210	Fuels and Combustion	3-0-0	3	C
CH212	Chemical process technology	3-0-0	3	D
CH270	Materials handling Laboratory	0-0-3	2	EX
CH272	Fluid Dynamics Laboratory	0-0-3	2	A
EE270	Electrical Engineering Laboratory	0-0-3	2	C
HS270	Language Laboratory	0-0-3	2	A
Semester Credits :	25	Semester Grade Point Average (SGPA):	7.20	
Total Credits :	112	Cumulative Grade Point Average (CGPA):	7.00	

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5th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CH321	Mass Transfer Operations - II	3-1-0	4	C
CH325	Heat Transfer Operation	3-1-0	4	B
CH331	Equipment Design (Mechanical aspect)	3-1-0	4	C
EE307	Electrical Machines	3-1-0	4	P
ME430	Industrial Management	3-0-0	3	A
CH367	Product Development Laboratory - I	0-0-3	2	A
CH371	Heat Transfer Operation Laboratory	0-0-3	2	A
CH373	Biochemical Engineering Laboratory	0-0-3	2	A
CH375	Mass Transfer Operation Laboratory	0-0-3	2	EX
Semester Credits :		27	Semester Grade Point Average (SGPA):	
Total Credits :		139	Cumulative Grade Point Average (CGPA):	
			7.14	

7th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CH411	Reaction Kinetics and Catalysis	3-1-0	4	C
CH421	Simulation Modeling and Optimization Techniques in Chemical Process	3-1-0	4	P
CH415	Colloidal and Interfacial Science and Engineering	3-0-0	3	P
CY323	Introduction to Material Chemistry	3-0-0	3	B
CH471	Process Plant Simulation Laboratory - I	0-0-3	2	A
CH473	Chemical Reaction Engineering Laboratory	0-0-3	2	A
CH475	Thermodynamics Laboratory	0-0-3	2	EX
CH493	Seminar and Technical Writing - I	0-0-0	2	D
CH491	Research Project - I	0-0-0	4	B
CH495	Short Term Industrial/Research Experience	0-0-0	2	A
Semester Credits :		28	Semester Grade Point Average (SGPA):	
Total Credits :		192	Cumulative Grade Point Average (CGPA):	
			7.32	

6th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CH310	Transport Phenomena	3-1-0	4	P
CH330	Process Dynamics and Control	3-1-0	4	P
CH314	Petroleum Refinery Engineering and Petrochemicals	3-0-0	3	A
CH320	Processing and Handling of Materials	3-0-0	3	B
HS428	Psychometrics	3-0-0	3	B
CH368	Product Development Laboratory - II	0-0-3	2	EX
CH374	Heat and Mass Transfer Design Laboratory	0-0-3	2	A
CH378	Process Dynamics and Control Laboratory	0-0-3	2	A
CH366	Research Practice	0-0-0	2	D
Semester Credits :		25	Semester Grade Point Average (SGPA):	
Total Credits :		164	Cumulative Grade Point Average (CGPA):	
			7.17	

8th Semester				
Subject Code	Subject Name	L-T-P	Credits	Grade
CH420	Computational Fluid Dynamics	3-1-0	4	D
CH412	Disaster Management in Chemical Industries	3-0-0	3	A
CH434	Project Engineering	3-0-0	3	B
ME254	Renewable Energy Systems	3-0-0	3	A
CH472	CFD Laboratory	0-0-3	2	B
CH474	Process Plant Simulation Laboratory - II	0-0-3	2	B
CH476	CAD Laboratory	0-0-3	2	A
CH494	Seminar and Technical Writing - II	0-0-0	2	B
CH492	Research Project - II	0-0-0	4	B
CH496	Comprehensive Viva-Voce	0-0-0	2	B
Semester Credits :		27	Semester Grade Point Average (SGPA):	
Total Credits :		219	Cumulative Grade Point Average (CGPA):	
			7.29	

REMARKS :	Performance	Grade	Grade Point	Performance	Grade	Grade Point
	Excellent	Ex	10	Fair	C	7
	Very Good	A	9	Average	D	6
	Good	B	8	Pass	P	5
				Satisfactory	S	-

Date : 29 Jun 2020

COMPARED BY

ASSISTANT REGISTRAR (ACADEMIC)

Assistant Registrar
(Academic)
National Institute of Technology
Rourkela-769008, Odisha