



राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट  
National Institute of Technology Calicut

Sl.No.:  $\frac{A}{11}$  043632

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. S1/M11/CH934

March 22, 2012

## GRADE CARD

Name : Mr/Ms AMAL G S  
Degree : BACHELOR OF TECHNOLOGY  
Branch : CHEMICAL ENGINEERING  
Roll No : B110934CH  
Semester : First Period of Study : Monsoon Semester 2011-2012 (July 11 - December 11)

Course Code	Course Title	Credits	Category	Grade	Attendance Code
MS1001	PROFESSIONAL COMMUNICATION	3	HL	A	N
MA1001	MATHEMATICS I	3	BS	A	H
ZZ1002	ENGINEERING GRAPHICS	3	TA	D	H
CY1001	CHEMISTRY	3	BS	C	H
ZZ1004	COMPUTER PROGRAMMING	2	ES	B	H
ZZ1092	WORKSHOP II	2	TA	B	H
CY1094	CHEMISTRY LAB	1	BS	B	H
SGPA = 7.82		CGPA = 7.82			

### Accumulated Credits

Category	BS	ES	HL	TA	PT	PR	GE	OT	Total
Credits	7	2	3	5	0	0	0	0	17

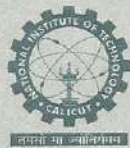
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Deputy Registrar (Academic)





# राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट National Institute of Technology Calicut

Sl.No.:  $\frac{A}{11}$  033372

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. S2/W11/CH934

October 29, 2012

## GRADE CARD

Name : Mr/Ms AMAL G S  
Degree : BACHELOR OF TECHNOLOGY  
Branch : CHEMICAL ENGINEERING  
Roll No : B110934CH  
Semester : Second Period of Study :

Winter Semester 2011-2012

Course Code	Course Title	Credits	Category	Grade	Attendance Code
CH1001	INTRODUCTION TO CHEMICAL ENGINEERING	2	PT	A ✓	N
MA1002	MATHEMATICS II	3	BS	A ✓	H
PH1001	PHYSICS	3	BS	S ✓	H
PH1091	PHYSICS LAB	1	BS	C ✓	H
ZZ1001	ENGINEERING MECHANICS	3	ES	B ✓	H
ZZ1003	ELECTRICAL SCIENCES	3	ES	B ✓	H
ZZ1091	WORKSHOP I	2	TA	A ✓	H
SGPA = 8.71		CGPA = 8.26			

Others (OT) - [Pass(P)/Fail(F) Type]

Course Code	Course Title	Credits	Category	Grade	Attendance Code
ZZ1093	PHYSICAL EDUCATION	1	OT	P	N

### Accumulated Credits

Category	BS	ES	HL	TA	PT	PR	GE	OT	Total
Credits	14	8	3	7	2	0	0	1	35

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# राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट National Institute of Technology Calicut

Sl.No.:  $\frac{A}{11}$  030338

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. S3/M12/CH934

February 25, 2013

## GRADE CARD

Name : Mr/Ms AMAL G S  
Degree : BACHELOR OF TECHNOLOGY  
Branch : CHEMICAL ENGINEERING  
Roll No : B110934CH  
Semester : Third Period of Study: Monsoon Semester 2012-2013 (July 12 - December 12)

Course Code	Course Title	Credits	Category	Grade	Attendance Code
CH2001	CHEMICAL TECHNOLOGY	3	PT	A ✓	H
CH2002	PROCESS CALCULATIONS	3	PT	A ✓	H
CH2003	FLUID MECHANICS	3	PT	B ✓	H
CH2091	CHEMICAL TECHNOLOGY LABORATORY	2	PT	A ✓	H
CY2001	PHYSICAL CHEMISTRY	3	PT	A ✓	H
MA2001	MATHEMATICS - III	3	BS	A ✓	H
ME2091	MACHINE DRAWING	2	PT	C ✓	N
SGPA = 8.63				CGPA = 8.40	

### Others (OT) - [Pass(P)/Fail(F) Type]

Course Code	Course Title	Credits	Category	Grade	Attendance Code
ZZ1094	OT(VALUE EDUCATION)	1	OT	P ✓	H

### Accumulated Credits

Category	BS	ES	HL	TA	PT	PR	GE	OT	Total
Credits	17	8	3	7	18	0	0	2	55

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# राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट National Institute of Technology Calicut

Sl.No.:  $\frac{A}{11}$  018077

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. S4/W12/CH934

November 02, 2013

## GRADE CARD

Name : Mr/Ms AMAL G S  
Degree : BACHELOR OF TECHNOLOGY  
Branch : CHEMICAL ENGINEERING  
Roll No : B110934CH  
Semester : Fourth Period of Study :

Winter Semester 2012-2013

Course Code	Course Title	Credits	Category	Grade	Attendance Code
CH2007	CHEMICAL ENGINEERING THERMODYNAMICS-I	3 ✓	PT	A ✓	H
CH2006	HEAT TRANSFER	3 ✓	PT	B ✓	H
CH2004	MATERIAL SCIENCE	3 ✓	PT	S ✓	H
CY2002	ORGANIC CHEMISTRY	3 ✓	PT	S ✓	N
CH2093	MECHANICAL OPERATIONS LAB	2 ✓	PT	S ✓	H
CH2005	MECHANICAL OPERATIONS	3 ✓	PT	S ✓	H
MA2002	MATHEMATICS - IV	3 ✓	BS	A ✓	H
CH2092	FLUID MECHANICS LAB	2 ✓	PT	A ✓	N
SGPA = 9.36/					CGPA = 8.68/

### Others (OT) - [Pass(P)/Fail(F) Type]

Course Code	Course Title	Credits	Category	Grade	Attendance Code
ZZ1095	NATIONAL SERVICE SCHEME	1	OT	P	H

### Accumulated Credits

Category	BS	ES	HL	TA	PT	GE	OT	Total
Credits	20	8	3	7	37	0	3	78 ✓

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# राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट National Institute of Technology Calicut

Sl.No.:  $\frac{A}{11}$  007683

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. S5/M13/CH934

March 31, 2014

## GRADE CARD

Name : Mr/Ms AMAL G S/  
Degree : BACHELOR OF TECHNOLOGY  
Branch : CHEMICAL ENGINEERING  
Roll No : B110934CH  
Semester : Fifth Period of Study : Monsoon Semester 2013-2014 (July 13 - December 13)

Course Code	Course Title	Credits	Category	Grade	Attendance Code
CH4022	PETROLEUM REFINING OPERATIONS AND PROCESSES	3	PT	A ✓	H
CH3002	MASS TRANSFER - I	3	PT	S ✓	H
CH3004	PROCESS INSTRUMENTATION	3	PT	B ✓	H
CH3091	ENVIRONMENTAL AND POLLUTION CONTROL LABORATORY	2	PT	A ✓	H
CH3001	CHEMICAL ENGINEERING THERMODYNAMICS - II	3	PT	C ✓	H
CH3092	HEAT TRANSFER LABORATORY	2	PT	A ✓	H
CH3003	CHEMICAL REACTION ENGINEERING	3	PT	A ✓	H
SGPA = 8.68 /				CGPA = 8.68	

### Others (OT) - [Pass(P)/Fail(F) Type]

Course Code	Course Title	Credits	Category	Grade	Attendance Code
CH3005	ENVIRONMENTAL STUDIES	3	OT	P ✓	H

### Accumulated Credits

Category	BS	ES	HL	TA	PT	GE	OT	Total
Credits	20	8	3	7	56	0	6	100

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Deputy Registrar (Academic)





# राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट National Institute of Technology Calicut

Sl.No.: A/14 100963

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. S6/W13/CH934

July 23, 2014

## GRADE CARD

Name : Mr/Ms AMAL G S  
Degree : BACHELOR OF TECHNOLOGY  
Branch : CHEMICAL ENGINEERING  
Roll No : B110934CH  
Semester : Sixth Period of Study : Winter Semester 2013-2014 (January 14 - June 14)

Course Code	Course Title	Credits	Category	Grade	Attendance Code
CH3006	MASS TRANSFER - II	3	PT	S ✓	H
CH3007	PROCESS DYNAMICS & CONTROL	3	PT	A ✓	H
CH3008	CHEMICAL PROCESS EQUIPMENT DESIGN	3	PT	B ✓	H
CH3093	CHEMICAL REACTION ENGINEERING LAB	2	PT	A ✓	H
CH3094	MASS TRANSFER LABORATORY	2	PT	S ✓	H
CH4042	RISK ANALYSIS AND HAZOP	3	PT	S ✓	H
MA3025	NUMERICAL METHODS FOR ENGINEERS	3	GE	A ✓	H
SGPA = 9.26					CGPA = 8.78

### Accumulated Credits

Category	BS	ES	HL	TA	PT	GE	OT	Total
Credits	20	8	3	7	72	3	6	119

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Dr. K. Raghunathan T  
Deputy Registrar (Academic)





राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट  
National Institute of Technology Calicut

Sl.No.: A/14 107386

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. S7/M14/CH934

March 03, 2015

## GRADE CARD

Name : Mr/Ms AMAL G S  
Degree : BACHELOR OF TECHNOLOGY  
Branch : CHEMICAL ENGINEERING  
Roll No : B110934CH  
Semester : Seventh Period of Study : Monsoon Semester 2014-2015 (July 14 - December 14)

Course Code	Course Title	Credits	Category	Grade	Attendance Code
ME4104	PRINCIPLES OF MANAGEMENT	3	HL	A	H
CH4091	PROCESS DYNAMICS & CONTROL LAB	2	PT	S	H
NS4101	NANO SCIENCE AND TECHNOLOGY (GE)	3	GE	S	N
CH4001	TRANSPORT PHENOMENA	3	PT	S	H
CH4092	PROJECT	3	PT	A	N
CH4002	COMPUTER AIDED DESIGN	3	PT	A	H
CH4034	PROCESS MODELLING AND SIMULATION	3	PT	A	H
SGPA = 9.40				CGPA = 8.87	

### Accumulated Credits

Category	BS	ES	HL	TA	PT	GE	OT	Total
Credits	20	8	6	7	86	6	6	139

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# राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट National Institute of Technology Calicut

Sl.No.:  $\frac{A}{11}$  **026524**

NIT Campus (PO), Kozhikode, Kerala, India, PIN - 673 601

Ref. No. 19 15/BTECH/0934

Dated : 22 Jun 2015

## CONSOLIDATED GRADE CARD BACHELOR OF TECHNOLOGY

Name : **Mr/Ms AMALGS**

Roll No : **B110934CH**

Month and year of admission : Jul-2011

Branch : **CHEMICAL ENGINEERING**

Course Code	Course Title	Credit	Category	Grade	Att. Code
<b>Semester : Monsoon Semester 2011-2012 (July 11 - December 11)</b>					
MA1001 ✓	MATHEMATICS I	3	BS	A ✓	H
MS1001 ✓	PROFESSIONAL COMMUNICATION	3	HL	A ✓	N
CY1094 ✓	CHEMISTRY LAB	1	BS	B ✓	H
ZZ1004 ✓	COMPUTER PROGRAMMING	2	ES	B ✓	H
ZZ1092 ✓	WORKSHOP II	2	TA	B ✓	H
CY1001 ✓	CHEMISTRY	3	BS	C ✓	H
ZZ1002 ✓	ENGINEERING GRAPHICS	3	TA	D ✓	H
<b>Semester : Winter Semester 2011-2012 (January 12 - June 12)</b>					
CH1001 ✓	INTRODUCTION TO CHEMICAL ENGINEERING	2	PT	A ✓	N
MA1002 ✓	MATHEMATICS II	3	BS	A ✓	H
ZZ1091 ✓	WORKSHOP I	2	TA	A ✓	H
ZZ1001 ✓	ENGINEERING MECHANICS	3	ES	B ✓	H
ZZ1003 ✓	BASIC ELECTRICAL SCIENCES	3	ES	B ✓	H
PH1091 ✓	PHYSICS LAB	1	BS	C ✓	H
PH1001 ✓	PHYSICS	3	BS	S ✓	H
<b>Semester : Monsoon Semester 2012-2013 (July 12 - December 12)</b>					
CH2001 ✓	CHEMICAL TECHNOLOGY	3	PT	A ✓	H
CH2002 ✓	PROCESS CALCULATIONS	3	PT	A ✓	H
CH2091 ✓	CHEMICAL TECHNOLOGY LABORATORY	2	PT	A ✓	H
CY2001 ✓	PHYSICAL CHEMISTRY	3	PT	A ✓	H
MA2001 ✓	MATHEMATICS - III	3	BS	A ✓	H
CH2003 ✓	FLUID MECHANICS	3	PT	B ✓	H
ME2091 ✓	MACHINE DRAWING	2	PT	C ✓	N
<b>Semester : Winter Semester 2012-2013 (January 13 - June 13)</b>					
CH2007 ✓	CHEMICAL ENGINEERING THERMODYNAMICS-I	3	PT	A ✓	H
CH2092 ✓	FLUID MECHANICS LAB	2	PT	A ✓	N
MA2002 ✓	MATHEMATICS - IV	3	BS	A ✓	H
CH2006 ✓	HEAT TRANSFER	3	PT	B ✓	H
CH2004 ✓	MATERIAL SCIENCE	3	PT	S ✓	H
CH2005 ✓	MECHANICAL OPERATIONS	3	PT	S ✓	H
CH2093 ✓	MECHANICAL OPERATIONS LAB	2	PT	S ✓	H
CY2002 ✓	ORGANIC CHEMISTRY	3	PT	S ✓	N
<b>Semester : Monsoon Semester 2013-2014 (July 13 - December 13)</b>					
CH3003 ✓	CHEMICAL REACTION ENGINEERING	3	PT	A ✓	H
CH3091 ✓	ENVIRONMENTAL AND POLLUTION CONTROL LABORATORY	2	PT	A ✓	H
CH3092 ✓	HEAT TRANSFER LABORATORY	2	PT	A ✓	H
CH4022 ✓	PETROLEUM REFINING OPERATIONS AND PROCESSES	3	PT	A ✓	H
CH3004 ✓	PROCESS INSTRUMENTATION	3	PT	B ✓	H
CH3001 ✓	CHEMICAL ENGINEERING THERMODYNAMICS - II	3	PT	C ✓	H
CH3002 ✓	MASS TRANSFER - I	3	PT	S ✓	H



NAME: AMAL G S

ROLL NO : B110934CH

Semester : Winter Semester 2013-2014 (January 14 - June 14)					
CH3007	PROCESS DYNAMICS & CONTROL	3	PT	A	H
CH3093	CHEMICAL REACTION ENGINEERING LAB	2	PT	A	H
MA3025	NUMERICAL METHODS FOR ENGINEERS	3	GE	A	H
CH3008	CHEMICAL PROCESS EQUIPMENT DESIGN	3	PT	B	H
CH3006	MASS TRANSFER - II	3	PT	S	H
CH3094	MASS TRANSFER LABORATORY	2	PT	S	H
CH4042	RISK ANALYSIS AND HAZOP	3	PT	S	H
Semester : Monsoon Semester 2014-2015 (July 14 - December 14)					
CH4002	COMPUTER AIDED DESIGN	3	PT	A	H
CH4034	PROCESS MODELLING AND SIMULATION	3	PT	A	H
CH4092	PROJECT	3	PT	A	N
ME4104	PRINCIPLES OF MANAGEMENT	3	HL	A	H
NS4101-G	NANO SCIENCE AND TECHNOLOGY (GE)	3	GE	S	N
CH4001	TRANSPORT PHENOMENA	3	PT	S	H
CH4091	PROCESS DYNAMICS & CONTROL LAB	2	PT	S	H
Semester : Winter Semester 2014-2015 (January 15 - June 15)					
CH4031	PROCESS AUTOMATION	3	PT	A	N
CH4051	COMPUTER APPLICATIONS IN CHEMICAL ENGINEERING	3	PT	A	H
CH4094	PROJECT	5	PT	A	N
MS4005	ENGINEERING ECONOMICS	3	HL	A	H
CH4093	SEMINAR	1	PT	B	N
CH4003	CHEMICAL PROCESS OPTIMIZATION	3	PT	S	H
CH4043	OPERATIONS RESEARCH	3	PT	S	N
Semester : Others (OT) [Pass (P)/Fail (F) Type]					
ZZ1093	PHYSICAL EDUCATION	1	OT	P	N
ZZ1094	OT(VALUE EDUCATION)	1	OT	P	H
ZZ1095	NATIONAL SERVICE SCHEME	1	OT	P	H
CH3005	ENVIRONMENTAL STUDIES	3	OT	P	H

CGPA= 8.92

## Accumulated Credits

Category	BS	ES	HL	TA	PT	GE	OT	Total
Credits	20	8	9	7	104	6	6	160

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Grade	S	A	B	D	E	F	W
Grade Points	10	9	8	6	5	0	0
Category	Minimum cumulative credit to be earned						
Basic Sciences	BS	20					
Basic Engineering Sciences	ES	8					
Technical Arts	TA	7					
Humanities & Languages	HL	9					
Professional Theory and Lab Practicals	PT	104					
Global Electives	GE	6					
Others	OT	6					

CGPA (Cumulative Grade Point Average) =  $\sum (C \times GP) / \sum C \rightarrow$  Summation is taken over all the courses registered for upto the final semester.

Pass/Fail courses are not included for computation of CGPA. \* Credited by taking more than one chance

## Attendance Code :

H - 90% and above  
N - 80% and above, but less than 90%  
L - Below 80%

CGPA 8 and above : First Class with Distinction  
CGPA 6.5 and above, but less than 8 : First Class  
CGPA 5 and above, but less than 6.5 : Second Class  
CGPA Conversion to Percentage : (CGPA\*10)-5



No.:  $\frac{A}{14}$  01978

राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट  
National Institute of Technology Calicut



*Upon the recommendation of the Senate hereby confers on*

**AMAL G S**

*the degree of*

*Bachelor of Technology*  
*in Chemical Engineering*

*in the year 2015*

*and places him/her in First Class with*  
*Distinction*

*Given at the National Institute of Technology Calicut*

*on 5<sup>th</sup> December, 2015*

  
Registrar

  
Director