



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly known as West Bengal University of Technology)

Certified that

AMITAVA GHOSH

bearing Regn. No. : 131170120042 of 2013-2014
*having fulfilled all the requirements has been admitted to
the Degree of*

**Bachelor of Technology
in
Electrical Engineering**

*of this University and that the degree was conferred on him/her
with all the Rights and privileges thereto. In witness whereof the
Signature of the Vice-Chancellor of Maulana Abul Kalam
Azad University of Technology, West Bengal is hereunto affixed.*

DGPA : 7.50

(Degree Grade Point Average)

Year of passing : 2016



Saikat Maitra

Dated : 3rd May 2017

Vice-Chancellor

SL.NO.: 1532033050

WEST BENGAL UNIVERSITY OF TECHNOLOGY**GRADE CARD**For the **SECOND YEAR B.TECH (EE) FIRST SEMESTER EXAMINATION OF 2014-2015**Name **AMITAVA GHOSH**Roll No. **11701613064**Registration No. **131170120042 OF 2013-2014**

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
M(CS)301	NUMERICAL METHODS	C	6	2.0	12.0
M302	MATHEMATICS-III	D	5	4.0	20.0
EC(EE)301	ANALOG ELECTRONIC CIRCUITS	C	6	3.0	18.0
EC(EE)302	DIGITAL ELECTRONIC CIRCUIT	D	5	3.0	15.0
EE301	ELECTRIC CIRCUIT THEORY	C	6	4.0	24.0
EE302	FIELD THEORY	C	6	4.0	24.0
EC(EE)391	ANALOG & DIGITAL ELECTRONIC CIRCUIT	E	9	2.0	18.0
M(CS)391	NUMERICAL METHODS	O	10	1.0	10.0
EE391	ELECTRIC CIRCUIT THEORY	E	9	2.0	18.0
HU381	TECHNICAL REPORT WRITING & LANGUAGE LABORATORY PRACTICE	E	9	2.0	18.0
Total				27	177

SGPA ODD (3rd) SEMESTER : 6.56

DGPA

SGPA

YGPA

Result

College / Institution **RCC INSTITUTE OF INFORMATION TECHNOLOGY (117)**

Controller of Examinations (Actg.)

1. The table below shows the Letter Grades and their corresponding classification and percentage points

Classification	Letter Grade	Score on 100 Percentage Points	Points
Outstanding	O	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	B	69 to 60	7
Fair	C	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	—	2

2. The method calculation of Grade Point Average is as follows

$$\text{SGPA (Semester Grade Point Average)} = \frac{\text{Credit Index}}{\sum \text{Credits}}$$

$$\text{YGPA (Yearly Grade Point Average)} = \frac{\text{Credit Index Odd Semester} + \text{Credit Index Even Semester}}{\sum \text{Credits Odd Semester} + \sum \text{Credits Even Semester}}$$

3. For final Degree Grade Point Average (DGPA) the calculation is as under

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{5}$$

$$\text{DGPA (For Lateral Entry Students)} = \frac{\text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{4}$$

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2}}{2}$$

$$\text{DGPA (For 1 Year Degree Course)} = \text{YGPA1}$$

4. No Class / Percentage is awarded

X	:	Ineligible for Promotion
XP	:	Eligible for Promotion with Backlogs
P	:	Passed and Promoted

WEST BENGAL UNIVERSITY OF TECHNOLOGY



GRADE CARD

For the **SECOND YEAR B.TECH (EE) SECOND SEMESTER EXAMINATION OF 2013-2014**

Name **AMITAVA GHOSH**

Roll No. **11701613064**

Registration No. **131170120042 OF 2013-2014**

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points	
HU401	VALUES AND ETHICS IN PROFESSION	D	5	3.0	15.0	
PH(EE)401	PHYSICS-II	C	6	4.0	24.0	
ME(EE)411	THERMAL POWER ENGINEERING	D	5	3.0	15.0	
CH401	BASIC ENVIRONMENTAL ENGINEERING & ELEMENTARY BIOLOGY	C	6	3.0	18.0	
EE401	ELECTRIC MACHINE-I	C	6	4.0	24.0	
EE402	ELECTRICAL & ELECTRONIC MEASUREMENT	D	5	3.0	15.0	
PH(EE)491	PHYSICS-II	E	9	2.0	18.0	
ME(EE)481	THERMAL POWER ENGINEERING LAB	A	8	2.0	16.0	
EE491	ELECTRIC MACHINE-I	E	9	2.0	18.0	
EE492	ELECTRICAL & ELECTRONIC MEASUREMENT	A	8	2.0	16.0	
				Total	28	179

SGPA ODD (3rd) SEMESTER : 6.11

DGPA

SGPA EVEN (4th) SEMESTER : 6.39

YGPA 6.25

Result XP

College / Institution **RCC INSTITUTE OF INFORMATION TECHNOLOGY (117)**

Kolkata, The

12TH AUGUST 2014

Indranil Mukherjee
Controller of Examinations (Actg.)

1. The table below shows the Letter Grades and their corresponding classification and percentage points

Classification	Letter Grade	Score on 100 Percentage Points	Points
Outstanding	O	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	B	69 to 60	7
Fair	C	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	—	2

2. The method calculation of Grade Point Average is as follows

$$\text{SGPA (Semester Grade Point Average)} = \frac{\text{Credit Index}}{\sum \text{Credits}}$$

$$\text{YGPA (Yearly Grade Point Average)} = \frac{\text{Credit Index Odd Semester} + \text{Credit Index Even Semester}}{\sum \text{Credits Odd Semester} + \sum \text{Credits Even Semester}}$$

3. For final Degree Grade Point Average (DGPA) the calculation is as under

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{5}$$

$$\text{DGPA (For Lateral Entry Students)} = \frac{\text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{4}$$

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2}}{2}$$

$$\text{DGPA (For 1 Year Degree Course)} = \text{YGPA1}$$

4. No Class / Percentage is awarded

X	:	Ineligible for Promotion
XP	:	Eligible for Promotion with Backlogs
P	:	Passed and Promoted

SL NO.: R551002085

WEST BENGAL UNIVERSITY OF TECHNOLOGY



GRADE CARD

For the **THIRD YEAR B.TECH (EE) FIRST SEMESTER EXAMINATION OF 2014-2015**

Name **AMITAVA GHOSH**

Roll No. **11701613064**

Registration No. **131170120042 OF 2013-2014**

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
HU 501	ECONOMICS FOR ENGINEERS	A	8	3.0	24.0
EE501	ELECTRIC MACHINES-II	B	7	4.0	28.0
EE502	POWER SYSTEM-I	B	7	4.0	28.0
EE503	CONTROL SYSTEM I	A	8	4.0	32.0
EE504C	MICROPROCESSORS & MICROCONTROLLERS	B	7	3.0	21.0
EE591	ELECTRIC MACHINE-II	E	9	2.0	18.0
EE592	POWER SYSTEM-I	E	9	2.0	18.0
EE593	CONTROL SYSTEM-I	A	8	2.0	16.0
EE594C	MICROPROCESSORS & MICROCONTROLLERS	E	9	2.0	18.0
EE581	SEMINAR	A	8	2.0	16.0
Total				28	219

SGPA ODD (5th) SEMESTER : 7.82

DGPA

SGPA

YGPA

Result

College / Institution **RCC INSTITUTE OF INFORMATION TECHNOLOGY (117)**

Kolkata, The

23RD JUNE 2015

Indranil Mukherjee
Controller of Examinations (Actg.)

1. The table below shows the Letter Grades and their corresponding classification and percentage points

Classification	Letter Grade	Score on 100 Percentage Points	Points
Outstanding	O	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	B	69 to 60	7
Fair	C	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	—	2

2. The method calculation of Grade Point Average is as follows

$$\text{SGPA (Semester Grade Point Average)} = \frac{\text{Credit Index}}{\Sigma \text{Credits}}$$

$$\text{YGPA (Yearly Grade Point Average)} = \frac{\text{Credit Index Odd Semester} + \text{Credit Index Even Semester}}{\Sigma \text{Credits Odd Semester} + \Sigma \text{Credits Even Semester}}$$

3. For final Degree Grade Point Average (DGPA) the calculation is as under

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{6}$$

$$\text{DGPA (For Lateral Entry Students)} = \frac{\text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{4}$$

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2}}{2}$$

$$\text{DGPA (For 1 Year Degree Course)} = \text{YGPA1}$$

4. No Class / Percentage is awarded

X	:	Ineligible for Promotion
XP	:	Eligible for Promotion with Backlogs
P	:	Passed and Promoted

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)



GRADE CARD

For the **THIRD YEAR B.TECH (EE) SECOND SEMESTER EXAMINATION OF 2014-2015**

Name **AMITAVA GHOSH**

Roll No. **11701613064**

Registration No. **131170120042 OF 2013-2014**

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
HU601	PRINCIPLE OF MANAGEMENT	A	8	2.0	16.0
EE601	CONTROL SYSTEM-II	A	8	4.0	32.0
EE602	POWER SYSTEM-II	D	5	4.0	20.0
EE603	POWER ELECTRONICS	D	5	4.0	20.0
EE604A	SOFTWARE ENGINEERING	A	8	3.0	24.0
EE605A	DIGITAL SIGNAL PROCESSING	C	6	3.0	18.0
EE691	CONTROL SYSTEM-II	E	9	2.0	18.0
EE692	POWER SYSTEM-II	E	9	2.0	18.0
EE693	POWER ELECTRONICS	E	9	2.0	18.0
EE694A	SOFTWARE ENGINEERING	O	10	2.0	20.0
Total				28	204

SGPA	ODD (5 th) SEMESTER : 7.82	DGPA
SGPA	EVEN (6 th) SEMESTER : 7.29	
YGPA	7.55	
Result	P	

College / Institution RCC INSTITUTE OF INFORMATION TECHNOLOGY (117)

1. The table below shows the Letter Grades and their corresponding classification and percentage points

Classification	Letter Grade	Score on 100 Percentage Points	Points
Outstanding	O	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	B	69 to 60	7
Fair	C	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	—	2

2. The method of calculation of Grade Point Average is as follows

$$\text{SGPA (Semester Grade Point Average)} = \frac{\text{Credit Index}}{\sum \text{Credits}}$$

$$\text{YGPA (Yearly Grade Point Average)} = \frac{\text{Credit Index Odd Semester} + \text{Credit Index Even Semester}}{\sum \text{Credits Odd Semester} + \sum \text{Credits Even Semester}}$$

3. For final Degree Grade Point Average (DGPA) the calculation is as under

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + 1.5 \cdot \text{YGPA3} + 1.5 \cdot \text{YGPA4}}{5}$$

$$\text{DGPA (For Lateral Entry Students)} = \frac{\text{YGPA2} + 1.5 \cdot \text{YGPA3} + 1.5 \cdot \text{YGPA4}}{4}$$

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2}}{2}$$

$$\text{DGPA (For 1 Year Degree Course)} = \text{YGPA1}$$

$$4. \quad \text{CGPA} = \frac{\text{Credit Index (All Semesters)}}{\sum \text{Credits (All Semesters)}}$$

5. No Class / Percentage is awarded

X	:	Ineligible for Promotion
XP	:	Eligible for Promotion with Backlogs
P	:	Passed and Promoted

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)



GRADE CARD

For the **FOURTH YEAR B.TECH (EE) FIRST SEMESTER EXAMINATION OF 2015-2016**
 Name **AMITAVA GHOSH** Roll No. **11701613064**
 Registration No. **131170120042 OF 2013-2014**

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
EE701	ELECTRIC DRIVE	B	7	4.0	28.0
EE702	UTILIZATION OF ELECTRIC POWER	A	8	4.0	32.0
EE703A	POWER SYSTEM-III	A	8	3.0	24.0
EE704D	RENEWABLE & NON CONVENTIONAL ENERGY	A	8	3.0	24.0
EE705A	COMPUTER NETWORK	A	8	3.0	24.0
EE781	SEMINAR ON INDUSTRIAL TRAINING	A	8	2.0	16.0
EE791	ELECTRIC DRIVE	E	9	2.0	18.0
EE792A	COMPUTER NETWORK	E	9	2.0	18.0
EE782	ELECTRICAL SYSTEM DESIGN-I	E	9	2.0	18.0
EE783	PROJECT-I	E	9	2.0	18.0
Total				27	220

SGPA ODD (7th) SEMESTER : 8.15

DGPA

SGPA

YGPA

Result

College / Institution RCC INSTITUTE OF INFORMATION TECHNOLOGY (117)

Indranil Mukherjee

Controller of Examinations (Actg.)

15TH MARCH 2016

Kolkata, The

1. The table below shows the Letter Grades and their corresponding classification and percentage points

Classification	Letter Grade	Score on 100 Percentage Points	Points
Outstanding	O	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	B	69 to 60	7
Fair	C	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	—	2

2. The method of calculation of Grade Point Average is as follows

$$\text{SGPA (Semester Grade Point Average)} = \frac{\text{Credit Index}}{\sum \text{Credits}}$$

$$\text{YGPA (Yearly Grade Point Average)} = \frac{\text{Credit Index Odd Semester} + \text{Credit Index Even Semester}}{\sum \text{Credits Odd Semester} + \sum \text{Credits Even Semester}}$$

3. For final Degree Grade Point Average (DGPA) the calculation is as under

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + 1.5 \cdot \text{YGPA3} + 1.5 \cdot \text{YGPA4}}{5}$$

$$\text{DGPA (For Lateral Entry Students)} = \frac{\text{YGPA2} + 1.5 \cdot \text{YGPA3} + 1.5 \cdot \text{YGPA4}}{4}$$

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2}}{2}$$

$$\text{DGPA (For 1 Year Degree Course)} = \text{YGPA1}$$

$$4. \quad \text{CGPA} = \frac{\text{Credit Index (All Semesters)}}{\sum \text{Credits (All Semesters)}}$$

5. No Class / Percentage is awarded

X	:	Ineligible for Promotion
XP	:	Eligible for Promotion with Backlogs
P	:	Passed and Promoted

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)



For the **FOURTH YEAR B.Tech. (EE) SECOND SEMESTER EXAMINATION OF 2015 - 2016**

Name **AMITAVA GHOSH**

Roll No. **11701613064**

Registration No. **131170120042 of 2013-2014**

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
HU801A	ORGANISATIONAL BEHAVIOUR	E	9	2.0	18.0
EE801C	ENERGY MANAGEMENT & AUDIT	B	7	3.0	21.0
EE802B	SENSORS & TRANSDUCERS	E	9	3.0	27.0
EE881	PROJECT	A	8	6.0	48.0
EE882	ELECTRICAL SYSTEM LAB-II	A	8	4.0	32.0
EE883	GRAND VIVA	A	8	3.0	24.0
			Total	21.0	170.0

SGPA ODD (7TH) SEMESTER : 8.15

DGPA

SGPA EVEN (8TH) SEMESTER : 8.10

7.50

YGPA 8.13

Result P

College / Institution **RCC INSTITUTE OF INFORMATION TECHNOLOGY (117)**

Kolkata, The 2ND AUGUST, 2016

Indranil Mukherjee
Controller of Examinations (Actg.)

1. The table below shows the Letter Grades and their corresponding classification and percentage points

Classification	Letter Grade	Score on 100 Percentage Points	Points
Outstanding	O	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	B	69 to 60	7
Fair	C	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	—	2

2. The method of calculation of Grade Point Average is as follows

$$\text{SGPA (Semester Grade Point Average)} = \frac{\text{Credit Index}}{\Sigma \text{ Credits}}$$

$$\text{YGPA (Yearly Grade Point Average)} = \frac{\text{Credit Index Odd Semester} + \text{Credit Index Even Semester}}{\Sigma \text{ Credits Odd Semester} + \Sigma \text{ Credits Even Semester}}$$

3. For final Degree Grade Point Average (DGPA) the calculation is as under

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{5}$$

$$\text{DGPA (For Lateral Entry Students)} = \frac{\text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{4}$$

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA1} + \text{YGPA2}}{2}$$

$$\text{DGPA (For 1 Year Degree Course)} = \text{YGPA1}$$

4. No Class / Percentage is awarded

X	:	Not eligible for Degree
XP	:	Eligible for Promotion with Backlogs
P	:	Passed and Promoted