

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



**PROVISIONAL GRADE CARD**


FOURTH YEAR FIRST SEMESTER EXAMINATION OF 2022-23	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
PEC-CS701B	Cloud Computing	C	6	3.0	18
PEC-CS702D	Information Theory and Coding	B	7	3.0	21
OECCS701B	Multimedia Systems	B	7	3.0	21
HSMC701	Project Management and Entrepreneurship	A	8	3.0	24
PROJ-CS781	Project-II	E	9	6.0	54
			<b>Total</b>	<b>18</b>	<b>138</b>

SGPA ODD. (7th) SEMESTER : 7.67	
RESULT ODD. (7th) SEMESTER : P	

*Please report of any discrepancy through college within 7 days,  
Otherwise, University will not responsible for any errors in transcripts (if any)*

Kolkata  
31-01-2023

  
Controller of Examinations

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. No Class / Percentage is awarded

3. Result Status: X=Not eligible for Semester Promotion/Degree; XP=Eligible for Promotion with Backlogs; P=Passed and Promoted

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

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

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

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

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA 1} + \text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{5}$$

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

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA 1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA 1} + \text{YGPA2}}{2}$$

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

6. CUMULATIVE GRADE POINT AVERAGE (CGPA)

$$\text{CGPA} = \frac{\sum_{k=1}^n \text{Credit Index of } k^{\text{th}} \text{ Semester}}{\sum_{k=1}^n \text{Credit of } k^{\text{th}} \text{ Semester}}$$

Where

n = 4 for 2 Years Programme  
n = 6 for 3 Years Programme  
n = 8 for 4 Years Programme  
n = 10 for 5 Years Programme

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



**PROVISIONAL GRADE CARD**

<b>FIRST YEAR B.Tech. (CSE) FIRST SEMESTER EXAMINATION OF 2019-2020</b>	
<b>NAME : RAGHU BHUNIA</b>	<b>ROLL NO. : 16300119005</b>
<b>REGISTRATION NO : OF 2019-2020</b>	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
BSPH101	Physics I (Gr A)	C	6	4.0	24.0
BSM101	Mathematics I A	B	7	4.0	28.0
ESEE101	Basic Electrical Engineering	C	6	4.0	24.0
BSPH191	Physics I Laboratory (Gr A)	A	8	1.5	12.0
ESEE191	Basic Electrical Engineering Laboratory	O	10	1.0	10.0
ESME192	Workshop/Manufacturing Practices(Gr A)	O	10	3.0	30.0
			<b>Total</b>	<b>17.50</b>	<b>128.00</b>

<b>SGPA ODD. (1st) SEMESTER :7.31</b>	
<b>SGPA</b>	
<b>YGPA</b>	
<b>RESULT</b>	
<b>College / Institution BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT(163)</b>	

*University is not responsible for any errors in transcripts (if any)*

**N.B.**

**Incomplete as per MAKAUT, WB First Regulation Part 2 Chapter 1 (ii)**

*A transitory lettergrade I ( carrying points 2 ) shall be introduced for cases where the candidate fails to appear in End Semester examination(s) and where the results are incomplete.*

**Kolkata**  
**17TH MARCH 2020**

  
**Controller of Examinations**

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



**PROVISIONAL GRADE CARD**

<b>FIRST YEAR B.Tech. (CSE) SECOND SEMESTER EXAMINATION OF 2019-20</b>	
<b>NAME : RAGHU BHUNIA</b>	<b>ROLL NO. : 16300119005</b>
<b>REGISTRATION NO : 022984 OF 2019-20</b>	
<b>COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT</b>	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
BSCH201	Chemistry-I (Gr-A)	E	9	4.0	36
BSM201	Mathematics - IIA	O	10	4.0	40
ESCS201	Programming for Problem Solving	E	9	3.0	27
HMHU201	English	E	9	2.0	18
BSCH291	Chemistry-I Laboratory (Gr-A)	O	10	1.5	15
ESCS291	Programming for Problem Solving	O	10	2.0	20
ESME291	Engineering Graphics & Design(Gr-A)	E	9	3.0	27
HMHU291	Language Laboratory	A	8	1.0	8
			<b>Total</b>	<b>20.5</b>	<b>191</b>

<b>SGPA EVEN. (2nd) SEMESTER : 9.32</b>	
<b>RESULT EVEN. (2nd) SEMESTER : P</b>	
<b>YGPA 8.39</b>	

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Otherwise, University will not responsible for any errors in transcripts (if any)*

Kolkata  
20-10-2020

  
Controller of Examinations

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



**PROVISIONAL GRADE CARD**

SECOND YEAR FIRST SEMESTER EXAMINATION OF 2020-21	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
ESC301	Analog and Digital Electronics	E	9	3.0	27
PCC-CS301	Data Structure & Algorithms	E	9	3.0	27
PCC-CS302	Computer Organisation	O	10	3.0	30
BSC301	Mathematics-III (Differential Calculus)	E	9	2.0	18
HSMC301	Economics for Engineers (Humanities-II)	A	8	3.0	24
PCC-CS393	IT Workshop (Sci Lab/MATLAB/Python/R)	E	9	2.0	18
ES-CS391	Analog and Digital Electronics Lab	O	10	2.0	20
PCC-CS391	Data Structure & Algorithms Lab	E	9	2.0	18
PCC-CS392	Computer Organisation Lab	E	9	2.0	18
			<b>Total</b>	<b>22</b>	<b>200</b>

SGPA ODD. (3rd) SEMESTER : 9.09	
RESULT ODD. (3rd) SEMESTER : P	
YGPA	

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Otherwise, University will not responsible for any errors in transcripts (if any)*

Kolkata  
15-04-2021

  
Controller of Examinations



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



**PROVISIONAL GRADE CARD**

SECOND YEAR SECOND SEMESTER EXAMINATION OF 2020-21	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
PCC-CS401	Discrete Mathematics	O	10	4.0	40
PCC-CS402	Computer Architecture	E	9	3.0	27
PCC-CS403	Formal Language & Automata Theory	E	9	3.0	27
PCC-CS404	Design & Analysis of Algorithms	O	10	3.0	30
BSC 401	Biology	E	9	3.0	27
MC401	Environmental Sciences	E	9	1.0	9
PCC-CS 492	Computer Architecture	E	9	2.0	18
PCC-CS494	Design & Analysis of Algorithms	E	9	2.0	18
			<b>Total</b>	<b>21</b>	<b>196</b>

SGPA EVEN. (4th) SEMESTER : 9.33	
RESULT EVEN. (4th) SEMESTER : P	
YGPA 9.21	

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Kolkata  
25-08-2021

  
Controller of Examinations

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



**PROVISIONAL GRADE CARD**

THIRD YEAR FIRST SEMESTER EXAMINATION OF 2021-22	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
ESC501	Software Engineering	O	10	3.0	30
PCC-CS501	Compiler Design	O	10	3.0	30
PCC-CS502	Operating Systems	O	10	3.0	30
PCC-CS503	Object Oriented Programming	O	10	3.0	30
HSMC-501	Introduction to Industrial Management (Humanities III)	O	10	3.0	30
PEC-IT501B	Artificial Intelligence	O	10	3.0	30
MC-CS501 *	Constitution of India/ Essence of Indian Knowledge Tradition	Q #	0	0.0	0
ESC591	Software Engineering	O	10	2.0	20
PCC-CS592	Operating Systems	O	10	2.0	20
PCC-CS593	Object Oriented Programming	O	10	2.0	20
			<b>Total</b>	<b>24</b>	<b>240</b>


SGPA ODD. (5th) SEMESTER : 10	
RESULT ODD. (5th) SEMESTER : P	
YGPA	

*Please report of any discrepancy through college within 7 days,  
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\* - Audit Course

# - Q - Qualified , NQ - Not Qualified

Kolkata  
03-02-2022

  
Controller of Examinations

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



**PROVISIONAL GRADE CARD**

THIRD YEAR SECOND SEMESTER EXAMINATION OF 2021-22	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
PCC-CS601	Database Management Systems	E	9	3.0	27
PCC-CS602	Computer Networks	O	10	3.0	30
PEC-IT601C	Signals & Systems	E	9	3.0	27
PEC-IT602B	Data Warehousing and Data Mining	E	9	3.0	27
OEC-IT601B	Human Resource Development and Organizational Behavior	E	9	3.0	27
PROJ-CS601	Research Methodology	O	10	3.0	30
PCC-CS691	Database Management Systems	O	10	2.0	20
PCC-CS692	Computer Networks	O	10	2.0	20
			<b>Total</b>	<b>22</b>	<b>208</b>

SGPA EVEN. (6th) SEMESTER : 9.45	
RESULT EVEN. (6th) SEMESTER : P	

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Kolkata  
30-06-2022

  
Controller of Examinations



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



**PROVISIONAL GRADE CARD**


FOURTH YEAR FIRST SEMESTER EXAMINATION OF 2022-23	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
PEC-CS701B	Cloud Computing	C	6	3.0	18
PEC-CS702D	Information Theory and Coding	B	7	3.0	21
OECCS701B	Multimedia Systems	B	7	3.0	21
HSMC701	Project Management and Entrepreneurship	A	8	3.0	24
PROJ-CS781	Project-II	E	9	6.0	54
			<b>Total</b>	<b>18</b>	<b>138</b>

SGPA ODD. (7th) SEMESTER : 7.67	
RESULT ODD. (7th) SEMESTER : P	

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Kolkata  
31-01-2023

  
Controller of Examinations

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

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Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	---	2

2. No Class / Percentage is awarded

3. Result Status: X=Not eligible for Semester Promotion/Degree; XP=Eligible for Promotion with Backlogs; P=Passed and Promoted

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

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

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

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

$$\text{DGPA (For 4 Year Degree Course)} = \frac{\text{YGPA 1} + \text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{5}$$

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

$$\text{DGPA (For 3 Year Degree Course)} = \frac{\text{YGPA 1} + \text{YGPA2} + \text{YGPA3}}{3}$$

$$\text{DGPA (For 2 Year Degree Course)} = \frac{\text{YGPA 1} + \text{YGPA2}}{2}$$

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

6. CUMULATIVE GRADE POINT AVERAGE (CGPA)

$$\text{CGPA} = \frac{\sum_{k=1}^n \text{Credit Index of } k^{\text{th}} \text{ Semester}}{\sum_{k=1}^n \text{Credit of } k^{\text{th}} \text{ Semester}}$$

Where

n = 4 for 2 Years Programme  
n = 6 for 3 Years Programme  
n = 8 for 4 Years Programme  
n = 10 for 5 Years Programme

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



**PROVISIONAL GRADE CARD**

<b>FIRST YEAR B.Tech. (CSE) FIRST SEMESTER EXAMINATION OF 2019-2020</b>	
<b>NAME : RAGHU BHUNIA</b>	<b>ROLL NO. : 16300119005</b>
<b>REGISTRATION NO : OF 2019-2020</b>	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
BSPH101	Physics I (Gr A)	C	6	4.0	24.0
BSM101	Mathematics I A	B	7	4.0	28.0
ESEE101	Basic Electrical Engineering	C	6	4.0	24.0
BSPH191	Physics I Laboratory (Gr A)	A	8	1.5	12.0
ESEE191	Basic Electrical Engineering Laboratory	O	10	1.0	10.0
ESME192	Workshop/Manufacturing Practices(Gr A)	O	10	3.0	30.0
			<b>Total</b>	<b>17.50</b>	<b>128.00</b>

<b>SGPA ODD. (1st) SEMESTER :7.31</b>	
<b>SGPA</b>	
<b>YGPA</b>	
<b>RESULT</b>	
<b>College / Institution BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT(163)</b>	

*University is not responsible for any errors in transcripts (if any)*

**N.B.**

**Incomplete as per MAKAUT, WB First Regulation Part 2 Chapter 1 (ii)**

*A transitory lettergrade I ( carrying points 2 ) shall be introduced for cases where the candidate fails to appear in End Semester examination(s) and where the results are incomplete.*

**Kolkata**  
**17TH MARCH 2020**

  
**Controller of Examinations**

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



**PROVISIONAL GRADE CARD**

<b>FIRST YEAR B.Tech. (CSE) SECOND SEMESTER EXAMINATION OF 2019-20</b>	
<b>NAME : RAGHU BHUNIA</b>	<b>ROLL NO. : 16300119005</b>
<b>REGISTRATION NO : 022984 OF 2019-20</b>	
<b>COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT</b>	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
BSCH201	Chemistry-I (Gr-A)	E	9	4.0	36
BSM201	Mathematics - IIA	O	10	4.0	40
ESCS201	Programming for Problem Solving	E	9	3.0	27
HMHU201	English	E	9	2.0	18
BSCH291	Chemistry-I Laboratory (Gr-A)	O	10	1.5	15
ESCS291	Programming for Problem Solving	O	10	2.0	20
ESME291	Engineering Graphics & Design(Gr-A)	E	9	3.0	27
HMHU291	Language Laboratory	A	8	1.0	8
			<b>Total</b>	<b>20.5</b>	<b>191</b>

<b>SGPA EVEN. (2nd) SEMESTER : 9.32</b>	
<b>RESULT EVEN. (2nd) SEMESTER : P</b>	
<b>YGPA 8.39</b>	

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Kolkata  
20-10-2020

  
Controller of Examinations



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



**PROVISIONAL GRADE CARD**

SECOND YEAR FIRST SEMESTER EXAMINATION OF 2020-21	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
ESC301	Analog and Digital Electronics	E	9	3.0	27
PCC-CS301	Data Structure & Algorithms	E	9	3.0	27
PCC-CS302	Computer Organisation	O	10	3.0	30
BSC301	Mathematics-III (Differential Calculus)	E	9	2.0	18
HSMC301	Economics for Engineers (Humanities-II)	A	8	3.0	24
PCC-CS393	IT Workshop (Sci Lab/MATLAB/Python/R)	E	9	2.0	18
ES-CS391	Analog and Digital Electronics Lab	O	10	2.0	20
PCC-CS391	Data Structure & Algorithms Lab	E	9	2.0	18
PCC-CS392	Computer Organisation Lab	E	9	2.0	18
			<b>Total</b>	<b>22</b>	<b>200</b>

SGPA ODD. (3rd) SEMESTER : 9.09	
RESULT ODD. (3rd) SEMESTER : P	
YGPA	

*Please report of any discrepancy through college within 7 days.  
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Kolkata  
15-04-2021

  
Controller of Examinations

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



**PROVISIONAL GRADE CARD**

SECOND YEAR SECOND SEMESTER EXAMINATION OF 2020-21	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
PCC-CS401	Discrete Mathematics	O	10	4.0	40
PCC-CS402	Computer Architecture	E	9	3.0	27
PCC-CS403	Formal Language & Automata Theory	E	9	3.0	27
PCC-CS404	Design & Analysis of Algorithms	O	10	3.0	30
BSC 401	Biology	E	9	3.0	27
MC401	Environmental Sciences	E	9	1.0	9
PCC-CS 492	Computer Architecture	E	9	2.0	18
PCC-CS494	Design & Analysis of Algorithms	E	9	2.0	18
			<b>Total</b>	<b>21</b>	<b>196</b>

SGPA EVEN. (4th) SEMESTER : 9.33	
RESULT EVEN. (4th) SEMESTER : P	
YGPA 9.21	

*Please report of any discrepancy through college within 7 days.  
Otherwise, University will not responsible for any errors in transcripts (if any)*

Kolkata  
25-08-2021

  
Controller of Examinations

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



**PROVISIONAL GRADE CARD**

THIRD YEAR FIRST SEMESTER EXAMINATION OF 2021-22	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
ESC501	Software Engineering	O	10	3.0	30
PCC-CS501	Compiler Design	O	10	3.0	30
PCC-CS502	Operating Systems	O	10	3.0	30
PCC-CS503	Object Oriented Programming	O	10	3.0	30
HSMC-501	Introduction to Industrial Management (Humanities III)	O	10	3.0	30
PEC-IT501B	Artificial Intelligence	O	10	3.0	30
MC-CS501 *	Constitution of India/ Essence of Indian Knowledge Tradition	Q #	0	0.0	0
ESC591	Software Engineering	O	10	2.0	20
PCC-CS592	Operating Systems	O	10	2.0	20
PCC-CS593	Object Oriented Programming	O	10	2.0	20
			<b>Total</b>	<b>24</b>	<b>240</b>


SGPA ODD. (5th) SEMESTER : 10	
RESULT ODD. (5th) SEMESTER : P	
YGPA	

*Please report of any discrepancy through college within 7 days,  
Otherwise, University will not responsible for any errors in transcripts (if any)*

\* - Audit Course

# - Q - Qualified , NQ - Not Qualified

Kolkata  
03-02-2022

  
Controller of Examinations

**MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL**  
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**PROVISIONAL GRADE CARD**

THIRD YEAR SECOND SEMESTER EXAMINATION OF 2021-22	
NAME : RAGHU BHUNIA	ROLL NO. : 16300119005
REGISTRATION NO : 022984 OF 2019-20	
PROGRAM: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING	
COLLEGE / INSTITUTION: 163-BENGAL INSTITUTE OF TECHNOLOGY AND MANAGEMENT	

Subject Code	Subjects Offered	Letter Grade	Points	Credit	Credit Points
PCC-CS601	Database Management Systems	E	9	3.0	27
PCC-CS602	Computer Networks	O	10	3.0	30
PEC-IT601C	Signals & Systems	E	9	3.0	27
PEC-IT602B	Data Warehousing and Data Mining	E	9	3.0	27
OEC-IT601B	Human Resource Development and Organizational Behavior	E	9	3.0	27
PROJ-CS601	Research Methodology	O	10	3.0	30
PCC-CS691	Database Management Systems	O	10	2.0	20
PCC-CS692	Computer Networks	O	10	2.0	20
			<b>Total</b>	<b>22</b>	<b>208</b>

SGPA EVEN. (6th) SEMESTER : 9.45	
RESULT EVEN. (6th) SEMESTER : P	

*Please report of any discrepancy through college within 7 days,  
Otherwise, University will not responsible for any errors in transcripts (if any)*

Kolkata  
30-06-2022

  
Controller of Examinations