Document No. : 2024/001/0250507

PROVISIONAL CERTIFICATE

This is to certify that **RITIKA RANI RAY (RollNo:11700120008, Reg No:201170100110114 of 2020-21)** of **RCC INSTITUTE OF INFORMATION TECHNOLOGY**, has successfully completed Bachelor of Technology in Computer Science & Engineering degree under Maulana Abul Kalam Azad University Of Technology, West Bengal (formerly known as West Bengal University Of Technology) in 2023-24(Even Sem).

CGPA(Cumulative Grade Point Average): 8.76
Completed in 2023-24(Even Sem)

Result: P

Kolkata
16-07-2024

Controller of Examinations

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

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL

Utech

In Pursuit Of Knowledge And Excellence

GRADE CARD

FIRST YEAR FIRST SEMESTER EXAMINATION OF 2020-21

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21   Roll No. :11700120008

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution :RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

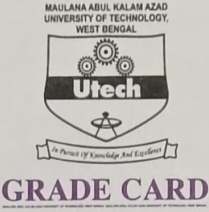| Subject Code	Subject offered	Letter Grade	Point	Credit	Credit Points
BSPH101	PHYSICS I (GR A)	O	10	4.0	40
BSM101	MATHEMATICS I A	O	10	4.0	40
ESEE101	BASIC ELECTRICAL ENGINEERING	O	10	4.0	40
BSPH191	PHYSICS I LABORATORY (GR A)	O	10	1.5	15
ESEE191	BASIC ELECTRICAL ENGINEERING LABORATORY	O	10	1.0	10
ESME192	WORKSHOP/MANUFACTURING PRACTICES(GR A)	O	10	3.0	30
			Total	17.5	175

SGPA :   ODD (1st) SEMESTER 10

Semester Result :   P

Kolkata, The   15th April,2021

Controller of Examinations

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

Utech

In Pursuit Of Knowledge And Excellence

GRADE CARD

FIRST YEAR SECOND SEMESTER EXAMINATION OF 2020-21

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21 | Roll No. : 11700120008

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution : RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

Subject Code	Subjects offered	Letter Grade	Points	Credits	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	O	10	3.0	30
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)	O	10	3.0	30
HMHU291	LANGUAGE LABORATORY	O	10	1.0	10
			Total	20.5	199

SGPA : ODD (1st) SEMESTER 10

SGPA : EVEN (2nd) SEMESTER 9.71

YGPA : 9.84

Semester Result : P

Kolkata, The   25th August,2021

Controller of Examinations

SL NO. : 2022/117/001/S3/0299/R

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

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL

Utech

In Pursuit Of Knowledge And Excellence

21039088

GRADE CARD

614081

SECOND YEAR FIRST SEMESTER EXAMINATION OF 2021-22

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21   Roll No. : 11700120008

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution : RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

Subject Code	Subjects offered	Letter Grade	Points	Credits	Credit Points
ESC301	ANALOG AND DIGITAL ELECTRONICS	O	10	3.0	30
PCC-CS301	DATA STRUCTURE & ALGORITHMS	E	9	3.0	27
PCC-CS302	COMPUTER ORGANISATION	O	10	3.0	30
BSC301	MATHEMATICS-III (DIFFERENTIAL CALCULUS)	A	8	2.0	16
HSMC301	ECONOMICS FOR ENGINEERS (HUMANITIES-II)	A	8	3.0	24
PCC-CS393	IT WORKSHOP (SCI LAB/MATLAB/PYTHON/R)	O	10	2.0	20
ES-CS391	ANALOG AND DIGITAL ELECTRONICS LAB	E	9	2.0	18
PCC-CS391	DATA STRUCTURE & ALGORITHMS LAB	O	10	2.0	20
PCC-CS392	COMPUTER ORGANISATION LAB	O	10	2.0	20
			Total	22.0	205

SGPA :	ODD (3rd) SEMESTER 9.32
Semester Result :	P

Kolkata, The   3rd February,2022

Controller of Examinations

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

GRADE CARD

Maulana Abul Kalam Azad University of Technology, West Bengal

21220844

764908

SECOND YEAR SECOND SEMESTER EXAMINATION OF 2021-22

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21   Roll No. : 11700120008

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution : RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

Subject Code	Subjects offered	Letter Grade	Points	Credits	Credit Points
PCC-CS401	DISCRETE MATHEMATICS	O	10	4.0	40
PCC-CS402	COMPUTER ARCHITECTURE	O	10	3.0	30
PCC-CS403	FORMAL LANGUAGE & AUTOMATA THEORY	O	10	3.0	30
PCC-CS404	DESIGN & ANALYSIS OF ALGORITHMS	E	9	3.0	27
BSC 401	BIOLOGY	O	10	3.0	30
MC401	ENVIRONMENTAL SCIENCES	A	8	1.0	8
PCC-CS 492	COMPUTER ARCHITECTURE	O	10	2.0	20
PCC-CS494	DESIGN & ANALYSIS OF ALGORITHMS	E	9	2.0	18
			Total	21.0	203

SGPA :   EVEN (4th) SEMESTER 9.67

Semester Result :   P

Controller of Examinations

Kolkata, The   30th June, 2022

MAULANA ABUL KALAM AZAD
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(Formerly known as West Bengal University of Technology)

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL

Utech

GRADE CARD

23041927

839411

THIRD YEAR FIRST SEMESTER EXAMINATION OF 2022-23

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21 | Roll No. :11700120008

Program: **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING**

College /Institution : RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

Subject Code	Subjects offered	Letter Grade	Points	Credits	Credit Points
ESC501	SOFTWARE ENGINEERING	A	8	3.0	24
PCC-CS501	COMPILER DESIGN	C	6	3.0	18
PCC-CS502	OPERATING SYSTEMS	A	8	3.0	24
PCC-CS503	OBJECT ORIENTED PROGRAMMING	C	6	3.0	18
HSMC-501	INTRODUCTION TO INDUSTRIAL MANAGEMENT (HUMANITIES III)	B	7	3.0	21
PEC-IT501B	ARTIFICIAL INTELLIGENCE	E	9	3.0	27
MC-CS501 *	CONSTITUTION OF INDIA/ ESSENCE OF INDIAN KNOWLEDGE TRADITION	Q #	0	0.0	0
ESC591	SOFTWARE ENGINEERING	A	8	2.0	16
PCC-CS592	OPERATING SYSTEMS	E	9	2.0	18
PCC-CS593	OBJECT ORIENTED PROGRAMMING	E	9	2.0	18
			Total	24.0	184

SGPA : ODD (5th) SEMESTER 7.67

Semester Result : P

* - Audit Course
\# - Q - Qualified, NQ - Not Qualified
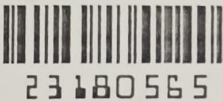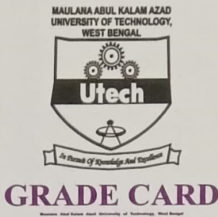
Kolkata, The 31st January,2023

Controller of Examinations

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)

GRADE CARD

940128

23180565

THIRD YEAR SECOND SEMESTER EXAMINATION OF 2022-23

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21   Roll No. : 11700120008

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution : RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

Subject Code	Subjects offered	Letter Grade	Points	Credits	Credit Points
PCC-CS601	DATABASE MANAGEMENT SYSTEMS	B	7	3.0	21
PCC-CS602	COMPUTER NETWORKS	B	7	3.0	21
PEC-IT601B	DISTRIBUTED SYSTEMS	D	5	3.0	15
PEC-IT602D	PATTERN RECOGNITION	B	7	3.0	21
OEC-IT601A	NUMERICAL METHODS	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	A	8	2.0	16
			Total	22.0	171

SGPA :   EVEN (6th) SEMESTER 7.77

Semester Result :   P

Kolkata, The   12th July,2023

Controller of Examinations

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

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL

Utech

24007792

GRADE CARD

1119970

FOURTH YEAR FIRST SEMESTER EXAMINATION OF 2023-24

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21   Roll No. : 11700120008

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

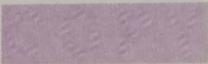College /Institution : RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

Subject Code	Subjects offered	Letter Grade	Points	Credits	Credit Points
PEC-CS701B	CLOUD COMPUTING	E	9	3.0	27
PEC-CS702E	CYBER SECURITY	A	8	3.0	24
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
			Total	18.0	150

SGPA :   ODD (7th) SEMESTER 8.33

Semester Result :   P

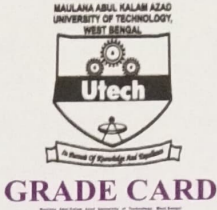Kolkata, The   15th April,2024

Controller of Examinations

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)

GRADE CARD

24170717

1300979

FOURTH YEAR SECOND SEMESTER EXAMINATION OF 2023-24

Name : RITIKA RANI RAY

Registration No.: 201170100110114 OF 2020-21 | Roll No. : 11700120008

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution : RCC INSTITUTE OF INFORMATION TECHNOLOGY-117

Subject Code	Subjects offered	Letter Grade	Points	Credits	Credit Points
PEC- CS801 B	CRYPTOGRAPHY & NETWORK SECURITY	C	6	3.0	18
OEC- CS801E	SOFT SKILL & INTERPERSONAL COMMUNICATION	B	7	3.0	21
OEC- CS802A	E-COMMERCE AND ERP	E	9	3.0	27
PROJ- CS881	PROJECT-III	A	8	6.0	48
		Total		15.0	114

	CGPA
SGPA : EVEN (8th) SEMESTER 7.60	8.76
Semester Result : P	

MANDATORY ADDITIONAL REQUIREMENT(MAR)	MINIMUM SCORE REQUIRED :	100	OBTAINED SCORE :	128	STATUS:	QUALIFIED

Kolkata, The 16th July,2024

Controller of Examinations