SL NO.: 2023/112/001/S3/0011/R

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)







851018

SECOND YEAR FIRST SEMESTER EXAMINATION OF 2022-23

Name: KALYANI TUDU

Registration No.: 211120100110012 OF 2021-22

Roll No.: 11200121048

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution : GOVERNMENT COLLEGE OF ENGINEERING AND LEATHER TECHNOLOGY-112

Subject	Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal M Lette Azad University of Technology, West Bengal M Grad	Points	Credits	Credit Points
ESC301	ANALOG AND DIGITAL ELECTRONICS alam Azad University of Technology, West Bengal Maul Da	bul Kalam Azad Ush bul Kalam Az 5 1 Univ	ersity of Tachno	ogy, 115 st Ber
PCC-CS301	Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A DATA STRUCTURE & ALGORITHMS all Kalam Azad University of Technology, West Bengal Maul Ca A			ogy. West Ber ogy. 18t Ber
PCC-CS302	Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A COMPUTER ORGANISATION laulana Abul Kalam Azad University of Technology, West Bengal Maul Ca	bul Kalam Azad Univ bul Kalam Az 6 i Univ	ersity of Techno ersity 3.0 chno	ogy. 18t Ber
Maulana Abul Kalam MaBSC301 alam Maulana Abul Kalam	Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A "MATHEMATICS-III (DIFFERENTIAL CALCULUS) niversity of Technology, West Bengal Maulana A Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul M	bul Kalam Az7d Univ	ersity of Techno ersity 2.0 chno ersity of Techno	ogy, 14t Ber
HSMC301	AECONOMICS FOR ENGINEERS (HUMANITIES II) Technology, West Bengal Maulica A Azad University of Technology, West Bengal Maulica A	bul Kalam Az61 Unik	ersity 3.0 chno ersity of Techno	ogy, 18t Ber
PCC-CS393	AIT WORKSHOP (SCI LAB/MATLAB/PYTHON/R) University of Technology, West Bengal Maulana August University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abul Kallam Azad University of Technology, West Bengal Maulana Abulana Abul	bul Kalam Azed Univ	ersity 2.0 chno ersity of Techno	ogy 20st Ber
ES-CS391	ANALOG AND DIGITAL ELECTRONICS LAB and University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Apart Kalama Azad University of Technology, West Bengal Maulana Azad University of Technology,	bul Kalam Azad Univ bul Kalam Azad Univ	ersity of Techno	ogy, West Ber ogy, West Ber
PCC-CS391	DATA STRUCTURE & ALGORITHMS LAB M Azad University of Technology, West Bengal Maulana Azad University of Tech	ibul Kalam Azad Univ ibul Kalam Azad Univ	ersity of Tachno ersity of Techno	ogy, 20st Ber ogy, West Ber
PCC-CS392	COMPUTER ORGANISATION LAB Abul Kalam Azad University of Technology, West Benc at Maul Ea A Computer Organism and Computer Organism a	bul Kalam Azad Univ	ersity of Techno ersity of Techno	ogy, Wast Ber ogy, West Ber
Maulana Abul Kalam Maulana Abul Kalam Maulana Abul Kalam	Azad University of Technology. West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A	bul Kalam Azad Univ	ersity of Techno ersity of Techno ersity of Techno	logy, West Ber
Maulana Abul Kalam Maulana Abul Kalam	Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana A	bul Kalam Azad Univ bul Kalam Azad Univ	ersity of Techno ersity of Techno	ogy, West Ber logy, West Ber
	Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana	Abul Kalam Azad Univ	versity of Techno versity of Techno versity of Techno	ogy, West Ber
Maulana Abul Kalam Maulana Abul Kalam Maulana Abul Kalam		Abul Kalam Azad Uni	versity of Techno versity of Techno versity of Techno	ogy, West Ber
		Total	22.0	157

SGPA:

ODD (3rd) SEMESTER 7.14

Semester Result:

Controller of Examinations

Kolkata, The

30th April, 2023

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	0	100 to 90	10	
Excellent	E	89 to 80	9	
Very Good	A	79 to 70	8	
Good	В	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. Medium of Instruction: English
- 3. No Class/Percentage is awarded
- 4. Result Status: X= Not eligible for Semester Promotion / Degree; XP= Eligible for Promotion with backlogs; P= Passed and Promoted
- 5. The method of calculation of Grade Point Average is as follows

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

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

DGPA (For 5 Year Degree Course)	=	YGPA1 + YGPA2 + YGPA3 + YGPA4 + YGPA5
DGPA (For 4 Year Degree Course)	=	<u>YGPA1 + YGPA2 +1.5* YGPA3 + 1.5* YGPA4</u> 5
DGPA (For Lateral Entry Students)	=	YGPA2 +1.5* YGPA3 + 1.5* YGPA4 4
DGPA (For 3 Year Degree Course)	=	YGPA1 + YGPA2 + YGPA3
DGPA (For 2 Year Degree Course)	-	YGPA1 + YGPA2 2
DGPA (For 1 Year Degree Course)	=	YGPA1

7. CUMULATIVE GRADE POINT AVERAGE (CGPA)

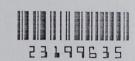
	k = n Σ Credit Index of k^{th} Semester		
CGPA =	k=1		n = 4 for 2 Years Programme n = 6 for 3 Years Programme
	k = n Σ Credit of k th Semester k=1	Where	n = 8 for 4 Years Programme n = 10 for 5 Years Programme

SL NO.: 2023/112/001/S4/0008/R MAULANA ABUL KALAM AZAD **UNIVERSITY OF TECHNOLOGY, WEST BENGAL**

(Formerly known as West Bengal University of Technology)







960104

SECOND YEAR SECOND SEMESTER EXAMINATION OF 2022-23

Name: KALYANI TUDU

Registration No.: 211120100110012 OF 2021-22

Roll No.: 11200121048

Program: BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

College /Institution: GOVERNMENT COLLEGE OF ENGINEERING AND LEATHER TECHNOLOGY-112

Subject Azar Code	I University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology.	Azad Universi Points rsi Azad Universi	of Technology Credits of Technology	Credit Points
PCC-CS401	DISCRETE MATHEMATICS laulana Abul Kalam Azad University of Technology, West Bengal Maulana Bul Kalam	Azad Universit Azad Universit	of T4.0 olog	West Bengal West Bengal
PCC-CS402	COMPUTER ARCHITECTURE and Abul Kalam Azad University of Technology, West Bengal In autana Boul Kalam	Azad Universit Azad J niversit	of Technology, of Technology	West Bengal Wes 21 engal
PCC-CS403	o University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology. West Bengal Maulana Abul Kalam FORMAL LANGUAGE & AUTOMATA THEORY versity of Technology, West Bengal Maulana Bul Kalam	Azad L 7 hiversit	of Ta.Oology	West Bengal Was 21 engal
PCC-CS404	d University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam DESIGN & ANALYSIS OF ALGORITHMS Azad University of Technology, West Bengal Maulana Bul Kalam	Azad Wiversit	of Te3:0ology	Wes21engal
aulana Abul Kalam Aza: BSC 401	University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam BIOLOG Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Bul Kalam Hungsburger Bengalogy, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Bul Kalam	Azad U7iversit	of Te3bOology	Wes21engal
aulana Abul Kalam Aza aulana MC401 aulana AC4 01	t Diliversity of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Environmental West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Cul Kalam Environmental Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Environmental Maulana Abul Kalam	Azad Liniversit	of Teth Oology	West Gengal
PCC-CS 492	I University of Technology, West Bengal Maulsna Abul Kalam Azad University of Technology, West Bengal Maulana Eui Kalar COMPUTER ARCHITECTURE University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam	Azad Ugiversit	of Technology	West Ringal
PCC-CS494	University of Technology, West Bengal Maulana Anul Kalam Azad University of Technology, West Bengal Maulana Qui Kalam DESIGN & ANALYSIS OF ALGORITHMS DESIGN & ANALYSIS OF ALGORITHMS Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West Bengal Maulana Aoul Kalam Azad University of Technology, West	Azad Universit	of Te2.0 logy	Wesl20ngal
laulana Abul Kalam Azar Jaulana Abul Kalam Azar	University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam	Azad University	of Technology.	West Bengal
Asulana Abul Kalam Aza Asulana Abul Kalam Aza Asulana Abul Kalam Aza	Sylver and the state of the sta	Azad Universit	of Technology.	West Bengal West Bengal
Anulana Abul Kalam Azad	University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam	Azad Universit	of Technology,	West Bengal West Bengal
Vaulana Abul Kalam Azad	University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam Azad Unive	Azad Universit	of Technology,	West Bengal
Mkulana Abul Kalam Azad Mkulana Abul Kalam Azad Mkulana Abul Kalam Azad	University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam University of Technology, West Bengal Maulana Abul Kalam Azad University of Technology, West Bengal Maulana Abul Kalam	Azad Universit	of Technology, of Technology,	The second secon
		Total	21.0	156

SGPA: EVEN (4th) SEMESTER 7.43

Semester Result:

Controller of Examinations

12th July,2023 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	0	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	В	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. Medium of Instruction: English
- 3. No Class/Percentage is awarded
- 4. Result Status: X= Not eligible for Semester Promotion / Degree; XP= Eligible for Promotion with backlogs; P= Passed and Promoted
- 5. The method of calculation of Grade Point Average is as follows

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

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

DGPA (For 5 Year Degree Course)	=	YGPA1 + YGPA2 + YGPA3 + YGPA4 + YGPA5 5
DGPA (For 4 Year Degree Course)	=	YGPA1 + YGPA2 +1.5* YGPA3 + 1.5* YGPA4 5
DGPA (For Lateral Entry Students)	=	YGPA2 +1.5* YGPA3 + 1.5* YGPA4 4
DGPA (For 3 Year Degree Course)	=	YGPA1 + YGPA2 + YGPA3
DGPA (For 2 Year Degree Course)	=	YGPA1 + YGPA2
DGPA (For 1 Year Degree Course)	=	YGPA1

7. CUMULATIVE GRADE POINT AVERAGE (CGPA)

CGPA =	k = n ∑ Credit Index of k th Semester k=1		n = 4 for 2 Years Programme n = 6 for 3 Years Programme		
	k = n ∑ Credit of k th Semester k=1	Where	n = 8 for 4 Years Programm n = 10 for 5 Years Programm		