

UNIVERSITY OF CALCUTTA



BTK8(CSE)/23/0003

23/05/2021/3

FOUR YEAR BACHELOR OF TECHNOLOGY 8th SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by **SUVRANEEL BHUIN**

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19**

at the aforesaid examination, 2023

(Held in MAY 2023) in **COMPUTER SCIENCE AND ENGINEERING.**

Course No	Details of Course	Credits	Full Marks	Marks Obtained	Course Total		Grade Point	Letter Grade
					Full Marks	Marks Obtained		
CSEL843	ELECTIVE IV	4	30	28	100	81	9	A
	Wireless Sensor Network			70	53	100	81	A
	Mid-Semester			70	27	100	85	A
CSEL852	ELECTIVE V	4	30	27	100	85	9	A
	Parallel Algorithms			70	58	100	85	A
	Mid-Semester			70	27	100	85	A
CSEL863	ELECTIVE VI	4	30	26	100	80	9	A
	Introduction to Data Science			70	54	100	80	A
	Mid-Semester			70	26	100	80	A
CSCP804	End-Semester			70	54	100	80	A
	Project			12	400	360	10	Ex
CSCP805	General Viva	2	2	100	70	70	8	B

All Semester Summary Statement

Semester	Total Credit	Credit Obtained	Full Marks	Marks Obtained	SGPA	CUMULATIVE STATEMENT		% of Marks	Grade	Grade Point (GP)
						Total Credit	193			
8th	26	26	800	676	9.38	Credit Obtained	193.0	80 - 89	A	9
7th	23	23	800	684	9.09	Full Marks	6250	70 - 79	B	8
6th	26	26	800	678	9.35	Grand	5386	60 - 69	C	7
5th	25	25	800	662	8.72	CGPA	9.24	50 - 59	D	6
4th	25	25	800	704	9.16	Result *	1	Below 50	F	0
3rd	25	25	800	705	9.36					
2nd	22	22	750	670	9.61					
1st	21	21	700	607	9.29					

* CGPA >= 7.5 First Class (I); CGPA >= 6.0 - < 7.5 Second Class (II); XP = Supplementary; XS = Previous semester(s) not clear; F = Failed; DSQ = Disqualified

Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.

A Student who fails to earn full credits at the 8th semester examination will be declared obtained supplementary and will have to appear those papers in next same semester examination held.

26/06/2023

Controller of Examinations (Acting)

Serial No. : 2022/ 0440642

UNIVERSITY OF CALCUTTA



BTK7(CSE)/22/0003

22/049335/3

FOUR YEAR BACHELOR OF TECHNOLOGY 7th SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by **SUVRANEEL BHUIN**

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19** at the aforesaid examination, 2022

(Held in DECEMBER 2022) in **COMPUTER SCIENCE & ENGINEERING.**

Course No.	Details of Course	Credit	Full Marks	Marks Obtained	Course Total		Grade Point	Letter Grade
					Full Marks	Marks Obtained		
CSEL711	ELECTIVE I	3	30	28	100	87	9	A
	Internet of Things		70	59				
	Mid-Semester		70	59				
CSEL722	ELECTIVE II	3	30	25	100	82	9	A
	Linear and Abstract Algebra		70	57				
	End-Semester		70	57				
CSEL731	ELECTIVE III	3	30	28	100	69	7	C
	Principles of Artificial Intelligence		70	41				
	Mid-Semester		70	41				
CSCP704	End-Semester	4	30	28	100	90	10	Ex
	Term Paper		70	41				
	Project		70	41				
CSCP705	Internet of Things (Laboratory)	2	100	100	100	91	10	Ex
CSEP711	Linear and Abstract Algebra (Laboratory)	2	100	100	100	86	9	A
CSEP722	Principles of Artificial Intelligence (Laboratory)	2	100	100	100	92	10	Ex
Total Marks of 7th Semester					800	684		

% of Marks	Grade	Grade Point(P)	7th Semester Statement
90 - 100	Ex	10	Total Credit
80 - 89	A	9	23
70 - 79	B	8	Credit Obtained
60 - 69	C	7	23
50 - 59	D	6	SGPA
Below 50	F	0	9.09
1. Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.			Result *
2. A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.			Q

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

Pratap Singh -

Controller of Examinations (Acting)

Serial No. : 2022/ 0427821

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UNIVERSITY OF CALCUTTA

BTK6(CSE)/22/0003

22/049335/3



FOUR YEAR BACHELOR OF TECHNOLOGY 6th SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by **SUVRANEEL BHUIN**

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19**

at the aforesaid examination, 2022

(Held in JUNE 2022) in **COMPUTER SCIENCE & ENGINEERING.**

Course No.	Details of Course	Credit	Full Marks	Marks Obtained	Course Total		Grade Point	Letter Grade
					Full Marks	Marks Obtained		
CSCL601	Formal Languages and Automata Theory	4	30	27	100	72	8	B
	Mid-Semester		70	45				
	End-Semester		70	45				
CSCL602	Computer Graphics	4	30	28	100	90	10	Ex
	Mid-Semester		70	62				
	End-Semester		70	62				
CSCL603	Distributed System	3	30	28	100	84	9	A
	Mid-Semester		70	56				
	End-Semester		70	56				
CSCL604	Internet Technology	3	30	25	100	70	8	B
	Mid-Semester		70	45				
	End-Semester		70	45				
CSHL605	Innovation and Entrepreneurship Development	4	30	30	100	90	10	Ex
	Mid-Semester		70	60				
	End-Semester		70	60				
CSCP606	Computer Graphics Laboratory	4	100	90	100	90	10	Ex
CSCP607	Internet Technology Laboratory	2	100	92	100	92	10	Ex
CSCP608	Mini Programming Project Laboratory	2	100	90	100	90	10	Ex
Total Marks of 6th Semester					800	678		

% of Marks	Grade	Grade Point(P)	6th Semester Statement
90 - 100	Ex	10	Total Credit 26
80 - 89	A	9	Credit Obtained 26
70 - 79	B	8	SGPA 9.35
60 - 69	C	7	
50 - 59	D	6	
Below 50	F	0	Result * Q

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

Serial No. : 2021/ 0414561

15112022

Controller of Examinations (Acting)

UNIVERSITY OF CALCUTTA



BTK5(CSE)/21/0003

21/048383/3

FOUR YEAR BACHELOR OF TECHNOLOGY 5th SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by **SUVRANEEL BHUIN**

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19**

at the aforesaid examination, 2021

(Held in JANUARY 2022) in **COMPUTER SCIENCE & ENGINEERING.**

Course No.	Details of Courses	Credit	Full Marks	Marks Obtained	Course Total		Grade Point	Letter Grade
					Full Marks	Marks Secured		
CSCL501	Computer Networks	4	30	30				
	Mid-Semester		70	60	100	90	10	Ex
	End-Semester							
CSCL502	Database Management System	4	30	28				
	Mid-Semester		70	55	100	83	9	A
	End-Semester							
CSCL503	Software Engineering	4	30	24				
	Mid-Semester		70	52	100	76	8	B
	End-Semester							
CSCL504	Computer Architecture	3	30	27				
	Mid-Semester		70	48	100	75	8	B
	End-Semester							
CSCL505	Optimization Techniques	4	30	23				
	Mid-Semester		70	40	100	63	7	C
	End-Semester							
CSCP506	Computer Networks Laboratory	2			100	95	10	Ex
CSCP507	DBMS Laboratory	2			100	86	9	A
CSCP508	Software Engineering Laboratory	2			100	94	10	Ex
Total Marks of 5th Semester					800	662		

% of Marks	Grade	Grade Point(P)	5th Semester Statement
90 - 100	Ex	10	1. Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.
80 - 89	A	9	
70 - 79	B	8	
60 - 69	C	7	
50 - 59	D	6	
Below 50	F	0	
2. A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.			
Total Credit			25
Credit Obtained			25
SGPA			8.72
Result *			Q

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

Serial No. : 2021/ 0374816

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UNIVERSITY OF CALCUTTA



BTK4(CSE)/21/0003

21/049335/3

FOUR YEAR BACHELOR OF TECHNOLOGY 4th SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by **SUVRANEEL BHUIN**

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19**

at the aforesaid examination, 2021

(Held in AUGUST 2021) in **COMPUTER SCIENCE & ENGINEERING.**

Course No.	Details of Courses	Credit	Full Marks	Marks Obtained	Course Total		Grade Point	Letter Grade
					Full Marks	Marks Secured		
CSML401	Probability and Stochastic Process	4	30	28	100	91	10	Ex
	Mid-Semester End-Semester		70	63				
CSCL402	Computer Organization	3	30	27	100	89	9	A
	Mid-Semester End-Semester		70	62				
CSCL403	Design & Analysis of Algorithms	4	30	26	100	87	9	A
	Mid-Semester End-Semester		70	61				
CSCL404	Operating Systems	4	30	23	100	83	9	A
	Mid-Semester End-Semester		70	60				
CSHL405	Social Issues and Professional Practice	2	30	27	100	89	9	A
	Mid-Semester End-Semester		70	62				
CSCP406	Computer Organization Laboratory	2	30	27	100	88	9	A
CSCP407	Operating Systems Laboratory	2	30	27	100	88	9	A
CSCP408	Computer Programming Laboratory-II (OOP)	4	100	89	100	89	9	A
Total Marks of 4th Semester					800	704		

% of Marks	Grade	Grade Point(P)	4th Semester Statement
90 - 100	Ex	10	1. Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.
80 - 89	A	9	
70 - 79	B	8	
60 - 69	C	7	
50 - 59	D	6	
Below 50	F	0	2. A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.
			Total Credit 25
			Credit Obtained 25
			SGPA 9.16
			Result * Q

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed

Serial No. : 2021/ 0362148

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Controller of Examinations(Acting)

UNIVERSITY OF CALCUTTA



BTK3(CSE)/20/0003

20/049335/3

FOUR YEAR BACHELOR OF TECHNOLOGY 3rd SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by **SUVRANEEL BHUIN**

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19** at the aforesaid examination, 2020

(Held in MARCH 2021) in **COMPUTER SCIENCE & ENGINEERING.**

Course No.	Details of Courses	Credit	Full Marks	Marks Obtained	Course Total		Grade Point	Letter Grade
					Full Marks	Marks Secured		
CSML301	Discrete Mathematics	4	30	30	100	88	9	A
	Mid-Semester		70	58				
	End-Semester		70	58				
CSCL302	Data Structure	4	30	27	100	94	10	Ex
	Mid-Semester		70	67				
	End-Semester		70	67				
CSCL303	Digital Logic	4	30	28	100	95	10	Ex
	Mid-Semester		70	67				
	End-Semester		70	67				
CSCL304	Microprocessor and Microcontroller	3	30	27	100	93	10	Ex
	Mid-Semester		70	66				
	End-Semester		70	66				
CSHL305	Environment and Society	2	30	29	100	82	9	A
	Mid-Semester		70	53				
	End-Semester		70	53				
CSCP306	Data Structure Laboratory	2	100	88	100	88	9	A
CSCP307	Digital Logic and Microprocessor Laboratory	4	100	73	100	73	8	B
CSCP308	Computer Programming Laboratory-I (C & Python)	2	100	92	100	92	10	Ex
Total Marks of 3rd Semester					800	705		
3rd Semester Statement		Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.		A student who fails to earn the total credit of a semester in the semester examination will be allowed to continue in the higher semester and will have to appear those papers/courses in next same semester examination held.		% of Marks	Grade	Grade Point(P)
Total Credit	25				90 - 100	Ex	10	
Credit Obtained	25				80 - 89	A	9	
SGPA	9.36				70 - 79	B	8	
Result *	Q				60 - 69	C	7	
					50 - 59	D	6	
					Below 50	F	0	

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; DSQ - Disqualified, F - Failed

Serial No. : 2020/ 0307654

02082021

Controller of Examinations(Acting)

UNIVERSITY OF CALCUTTA

BTK2(CSE)/20/0040

20/049335/30



FOUR YEAR BACHELOR OF TECHNOLOGY 2nd SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by

SUVRANEEL BHUIN

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19**

at the aforesaid examination, 2020

(Held in NOVEMBER 2020) in **COMPUTER SCIENCE & ENGINEERING.**

Course No.	Details of Courses	Credit	Full Marks	Marks Obtained	Paper Total		Grade Point	Letter Grade	
					Full Marks	Marks Obtained			
PH-201	Physics II	3	30	30	100	88	9	A	
MA-202	Engineering Mathematics-II	3	30	20	100	82	9	A	
ME-203	Engineering Mechanics	3	30	28	100	91	10	Ex	
CS-204	Basic Computer Science and Engineering	3	30	28	100	91	10	Ex	
BE-205	Basic Electronics	3	30	30	100	93	10	Ex	
Theoretical Total					500	445			
PRACTICAL									
PH-206	Physics-II Laboratory	1			50	44	9	A	
ME-207	Workshop Practice	1.5			50	46	10	Ex	
ME-208	Engineering Drawing	1.5			50	44	9	A	
CS-209	Computer Programming Laboratory	1.5			50	45	10	Ex	
BE-210	Basic Electronics Laboratory	1.5			50	46	10	Ex	
Practical Total					250	225			
Total Marks of 2nd Semester					750	670			

2nd Semester Statement

Total Credit **22**

Credit Obtained **22**

SGPA **9.61**

Result * **Q**

Grade 'F' also implies failure to earn

the corresponding credit. Grades higher

than 'F' and Grade Points > 0 indicate

successful clearing of a unit that will earn

the student the corresponding Grade

Point (P) & the Credit (C) assigned to

that unit

A student fails to secure at least 50% marks

in the end semester examination of theory

papers and non-appeared theory papers not

more than two and must have to appear in

all practical papers will be eligible to continue

higher semester examination.

% of Marks Grade Grade Point(P)

90 - 100 Ex 10

80 - 89 A 9

70 - 79 B 8

60 - 69 C 7

50 - 59 D 6

Below 50 F 0

* Q - Qualified for next semester; XP - Promoted to next semester with back credit in this semester; F - Failed; DSQ - Disqualified from course

Serial No. : 2020/ **0282824**

05022021

Controller of Examinations (Acting)

UNIVERSITY OF CALCUTTA



19/017492/26

BTK1(CSE)/19/0032

FOUR YEAR BACHELOR OF TECHNOLOGY 1st SEMESTER EXAMINATION

The following is the statement of Marks, Grade Point and Grade obtained by **SUVRANEEL BHUIN**

Roll No. : **T91/CSE/194032** Registration No.: **D01-1111-0091-19**

at the aforesaid examination, 2019

(Held in JANUARY 2020) in **COMPUTER SCIENCE & ENGINEERING.**

Course No.	Details of Courses	Credit	Full Marks	Marks Obtained	Paper Total		Grade Point	Letter Grade	
					Full Marks	Marks Obtained			
HU101	THEORETICAL Communicative English, Management and Social Sciences Mid-Semester	3	30	29	100	94	10	Ex	
PH102	Physics I Mid-Semester End-Semester	3	30	29	100	80	9	A	
CH103	Chemistry I Mid-Semester End-Semester	3	30	28	100	83	9	A	
MA104	Engineering Mathematics I Mid-Semester End-Semester	3	30	29	100	81	9	A	
EE105	Basic Electrical Engineering Mid-Semester End-Semester	3	30	26	100	86	9	A	
Theoretical Total					500	424			
PRACTICAL									
HU106	Language Lab	1.5			50	50	10	Ex	
PH107	Physics Lab - I	1.5			50	42	9	A	
CH108	Chemistry Lab - I	1.5			50	48	10	Ex	
EE109	Basic Electrical Engineering Lab	1.5			50	43	9	A	
Practical Total					200	183			
Total Marks of 1st Semester					700	607			

1st Semester Statement

Grade 'F' also implies failure to earn the corresponding credit. Grades higher than 'F' and Grade Points > 0 indicate successful clearing of a unit that will earn the student the corresponding Grade Point (P) & the Credit (C) assigned to that unit.

A student fails to secure at least 50% marks in the end semester examination of theory papers and non-appeared theory papers not more than two and must have to appear in all practical papers will be eligible to continue higher semester examination.

% of Marks	Grade	Grade Point(P)
90 - 100	Ex	10
80 - 89	A	9
70 - 79	B	8
60 - 69	C	7
50 - 59	D	6
Below 50	F	0

* Q - Qualified for next semester; XP - Eligible to next semester with supplementary in this semester of next academic session; F - Failed

Serial No. : 2020/ 0282593

05/2021

Controller of Examinations (Acting)

University of Calcutta



This is to certify that

Suvraneel Bhuin

obtained the degree of Four Year
(Eight Semester) Bachelor of Technology
in Computer Science and Engineering in
this University in the year 2023, and
that he was placed in the First Class.

Santa Datta (Se)

Vice-Chancellor.

Senate House,

The 3rd July, 2023

Sl. No. : 0015797



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