

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

University Area, Plot No. III - B/5, New Town, Action Area - III, Kolkata - 700160



TRANSCRIPT



SI.No.:2349885

Name: MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR	
Enrollment No.: 12020009022271	Registration No.: 304202000901022
Duration: July, 2020 to December, 2023	
Degree: Bachelor of Technology	Stream: Computer Science and Technology

Semester: I				
Subject Code	Credit	Grade Point	Credit Point	Letter Grade
BSC101	4.00	9	36	E
BSC103	3.00	9	27	E.
ESC101	2.00	8	16	A
HSMC101	2.00	9	18	E
HSMC102	2.00	10	20	O
ESC191	1.00	10	10	O
ESC191	1.00	9	9	E
ESC193	1.00	9	9	E
HSMC191	1.00	10	10	O
ESC181	2.00	10	20	O
HSMC181	1.00	9	9	E
HSMC182	1.00	9	9	E
HSMC183	0.50	9	4	E
MC181	0.50	6	3	C

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Semester: II				
Subject Code	Credit	Grade Point	Credit Point	Letter Grade
ESC202	4.00	10	40	O
ESC203	3.00	9	27	E
ESC201	2.00	8	16	A
ESC203	2.00	9	18	E
ESC204	3.00	7	21	B
SMC201	2.00	10	20	O
SMC202	2.00	8	16	A
ESC292	1.00	10	10	O
ESC291	1.00	9	9	E
ESC293	1.00	10	10	O
ESC294	1.00	10	10	O
SMC291	1.00	10	10	O
SMC281	0.50	10	5	O
SMC282	1.00	10	10	O
SMC283	0.50	10	5	O
OOC201	1.50	10	15	O
OOC202	1.00	9	9	E

Computer V

Semester- III				
Subject Code	Credit	Grade Point	Credit Point	Letter Grade
BSC301	2.00	9	18	E
ESC301	3.00	10	30	O
ESC302	3.00	10	30	O
PCCCS301	3.00	9	27	E
PCCCS302	1.00	10	10	O
HSMC301	3.00	10	30	O
HSMC302	2.00	9	18	E
ESC391	2.00	10	20	O
ESC392	2.00	10	20	O
PCCCS391	2.00	10	20	O
PCCCS392	2.00	10	20	O
PROJCS381	1.00	10	10	O
HSMC382	1.00	10	10	O
MC381	0.50	10	5	O

9.75

Semester-IV				
Subject Code	Credit	Grade Point	Credit Point	Letter Grade
PCCCS401	4.00	10	40	O
PCCCS402	3.00	10	30	O
PCCCS403	3.00	10	30	O
PCCCS404	3.00	10	30	O
PCCCS405	2.00	10	20	O
MC401	0	10	0	O
HSMC401	3.00	9	27	E
HSMC402	2.00	10	20	O
PCCCS492	2.00	10	20	O
PCCCS493	2.00	9	18	E
PCCCS494	2.00	10	20	O
PCCCS495	1.00	10	10	O
MC481	0	10	0	O
HSMC482	1.00	9	9	E
PROJCS481	1.00	10	10	O
MOOC4	1.00	10	10	O
SGPA : 9.80		YGPA : 9.77		

UNIVERSITY OF CALCUTTA
KOLKATA UNIVERSITY

Subject Code	Credit	Grade Point	Credit Point	Letter Grade
ESCT501	3.00	10	30	O
CCCST501	3.00	10	30	O
CCCST502	3.00	10	30	O
CCCST503	2.00	10	20	O
CCCST504	2.00	10	20	O
ECCST501	3.00	10	30	O
ISMCT501	3.00	10	30	O
SMC(IT)502	2.00	7	14	B
MCT501	0	9	0	0
CCCST591	2.00	10	20	O
CCCST593	2.00	10	20	O
CCCST594	1.00	10	10	O
HSMC582	1.00	9	9	E
ROJCST581	1.00	10	10	O
MC581	1.00	10	10	O
MOOC5	3.00	8	24	A

medium of instruction is

Subject Code	Credit	Grade Point	Credit Point	Letter Grade
PCCCST601	3.00	10	30	O
PCCCST602	3.00	9	27	E
PCCCST603	2.00	10	20	O
PECCST601	3.00	10	30	O
PECCST602	3.00	10	30	O
OECCST601	3.00	10	30	O
HSMC(CS)602	2.00	10	20	O
PCCCST691	2.00	10	20	O
PCCCST692	2.00	9	18	E
PCCCST693	1.00	10	10	O
PROJCST681	3.00	10	30	O
HSMC682	1.00	9	9	E
MC681	1.00	8	8	A
MOOC6	3.00	8	24	A

KOLKATA UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA, UNIVERSITY



Debika Bhattacharya
UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

UNIVERSITY OF DURGAPUR, UNIVERSITY OF
ENGINEERING & MANAGEMENT, KOLKATA

University of Engineering & Management, Kolkata

Semester : I			
Subject Code	Subject Name	Credit Point	
BSCL01	Physics	4	
BSCL03	Mathematics and Statistics - I	3	
ESC101	Basic Electrical Engineering	2	
HSMC101	English Communication and Public Speaking Skills - I	2	
HSMC102	Essential Studies for Professionals - I	2	
BSCL91	Physics Laboratory	1	
ESC191	Basic Electrical Engineering Laboratory	1	
ESC193	Workshop & Manufacturing Practices - I	1	
HSMC191	English Communication and Public Speaking Skills Laboratory - I	1	
ESC181	Computer Programming and Problem Solving using Python and C - I	2	
HSMC181	Economics, Finance and Entrepreneurship Skills - I	1	
HSMC182	Skill Development for Professionals - I	1	
HSMC183	Design Thinking & Innovation - I	0.5	
MC181	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	0.5	

Semester : II			
Subject Code	Subject Name	Credit Point	
BSCL02	Chemistry	4	
BSCL03	Mathematics and Statistics - II	3	
ESC201	Basic Electronics Engineering	2	
ESC203	Programming for Problem Solving	2	
ESC204	Engineering Mechanics	3	
HSMC201	English Communication and Public Speaking Skills - II	2	
HSMC202	Essential Studies for Professionals - II	2	
BSCL92	Chemistry Laboratory	1	
ESC291	Basic Electronics Engineering Laboratory	1	
ESC293	Programming for Problem Solving Laboratory	1	
ESC294	Engineering Drawing, 3D Design Laboratory	1	
HSMC291	English Communication and Public Speaking Skills - II Laboratory	1	
HSMC281	Foreign Language	0.5	
HSMC282	Skill Development for Professionals - II	1	
HSMC283	Physical Education	0.5	
MOOC201	Economics, Finance and Entrepreneurship Skills - II	1.5	
MOOC202	Design Thinking & Innovation - II	1	

Semester : III			
Subject Code	Subject Name	Credit Point	
BSCL301	Mathematics - III	2	
ESC301	Analog Electronic Circuits	3	
ESC302	Digital Electronics	3	
PCCCS301	Data Structure & Algorithm	3	
PCCCS302	IT Workshop	1	
HSMC301	Humanities - I (Technical Report Writing using Latex)	3	
HSMC302	Essential Studies for Professionals - III	2	
ESC391	Analog Electronic Circuits Laboratory	2	
ESC392	Digital Electronics Laboratory	2	
PCCCS391	Data Structure & Algorithm Laboratory	2	
PCCCS392	IT Workshop Practical	2	
PROJCS381	Innovative Project - I	1	
HSMC382	Skill Development for Professionals - III	1	
MC381	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	0.5	

Semester : IV			
Subject Code	Subject Name	Credit Point	
PCCCS401	Discrete Mathematics	4	
PCCCS402	Computer Organization & Architecture	3	
PCCCS403	Operating Systems	3	
PCCCS404	Design & Analysis of Algorithms	3	
PCCCS405	Artificial Intelligence & Machine Learning	2	
MC401	Environmental Sciences	0	
HSMC401	Finance & Accounting	3	
HSMC402	Essential Studies for Professionals - IV	2	
PCCCS492	Computer Organization & Architecture Laboratory	2	
PCCCS493	Operating Systems Laboratory	2	
PCCCS494	Design & Analysis of Algorithms Laboratory	2	
PCCCS495	Artificial Intelligence & Machine Learning Laboratory	1	
MC481	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	0	
HSMC482	Skill Development for Professionals - IV	1	
PROJCS481	Innovative Project - II	1	
MOOC4	Massive Open Online Courses [Mandatory for B.Tech(Honours)]	1	

Semester : V			
Subject Code	Subject Name	Credit Point	
ESCT501	Signals & Systems	3	
PCCCS501	Database Management Systems	3	
PCCCS502	Formal Language & Automata Theory	3	
PCCCS503	Object Oriented Programming	2	
PCCCS504	Software Engineering	2	
PECCST501	Professional Elective - I : Deep Learning	3	
HSMC501	Humanities - II (Principles of Management)	3	
HSMC502	Essential Studies for Professionals - V	2	
MCT501	Constitution of India & Essence of Indian Knowledge Tradition	0	
PCCCS591	Database Management Systems Laboratory	2	
PCCCS593	Object Oriented Programming Laboratory	2	
PCCCS594	Software Engineering Laboratory	1	
HSMC582	Skill Development for Professionals - V	1	
PROJCT581	Innovative Project - III	1	
MC581	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	1	
MOOC5	Massive Open Online Course (Mandatory for B.Tech(Honours))	3	

Semester : VI			
Subject Code	Subject Name	Credit Point	
PCCCS601	Compiler Design	3	
PCCCS602	Computer Networks	3	
PCCCS603	Cloud Computing & IOT	2	
PECCST601	Professional Elective - II : Soft Computing	3	
PECCST602	Professional Elective - III : Blockchain Technology	3	
OECCST601	Open Elective - I : Human Resource Development and Organizational Behavior	3	
HSMC(CS)602	Essential Studies for Professionals - VI	2	
PCCCS691	Compiler Design Laboratory	2	
PCCCS692	Computer Networks Laboratory	2	
PCCCS693	Cloud Computing & IoT Laboratory	1	
PROJCT681	Project - I	3	
HSMC682	Skill Development for Professionals - VI	1	
MC681	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	1	
MOOC6	Massive Open Online Courses (Mandatory for B.Tech(Honours))	3	

Method of Calculation of Semester Grade Point Average (SGPA):	Method of calculation of Year Grade Point Average (YGPA):	Method of calculation of Degree Grade Point Average (DGPA):	Conversion of Grade Point Average (GPA) to % of marks
$SGPA = \frac{\sum(Credit\ Points)}{\sum(Credits)}$	$YGPA = \frac{\sum((Credit\ Points\ of\ Odd\ Semester) + (Credit\ Points\ of\ Even\ Semester))}{\sum((Credit\ of\ Odd\ Semester) + (Credit\ of\ Even\ Semester))}$	$DGPA = \frac{(YGPA1+YGPA2+1.5xYGPA3+1.5xYGPA4)/5}{(GPA - 0.75) \times 10}$	Percentage of marks = (GPA - 0.75) X 10

Grade Point for Theoretical Subject			
Range of Marks	Description	Letter Grade	Grade Point
90 to 100	Outstanding	O	10
80 to 89	Excellent	E	9
70 to 79	Very Good	A	8
60 to 69	Good	B	7

Grade Point for Practical/Sessional Subject			
Range of Marks	Description	Letter Grade	Grade Point
90 to 100	Outstanding	O	10
80 to 89	Excellent	E	9
70 to 79	Very Good	A	8
60 to 69	Good	B	7



UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

University Area, Plot No. III - B/5, New Town, Action Area - III, Kolkata - 700160



GRADE CARD

FOR THE FIRST YEAR B.Tech FIRST SEMESTER EXAMINATION OF 2020 - 2021 OF

NAME: MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR

ROLL NO.: 12020009022271

REGISTRATION NO.: 304202000901022

Subject Code	Subject Name	Letter Grade	Points	Credit	Credit Points
BSC101	Physics	E	9.0	4.0	36.0
BSC103	Mathematics and Statistics - I	E	9.0	3.0	27.0
ESC101	Basic Electrical Engineering	A	8.0	2.0	16.0
HSMC101	English Communication and Public Speaking Skills - I	E	9.0	2.0	18.0
HSMC102	Essential Studies for Professionals - I	O	10.0	2.0	20.0
BSC191	Physics Laboratory	O	10.0	1.0	10.0
ESC191	Basic Electrical Engineering Laboratory	E	9.0	1.0	9.0
ESC193	Workshop & Manufacturing Practices - I	E	9.0	1.0	9.0
HSMC191	English Communication and Public Speaking Skills Laboratory - I	O	10.0	1.0	10.0
ESC181	Computer Programming and Problem Solving using Python and C - I	O	10.0	2.0	20.0
HSMC181	Economics, Finance and Entrepreneurship Skills - I	E	9.0	1.0	9.0
HSMC182	Skill Development for Professionals - I	E	9.0	1.0	9.0
HSMC183	Design Thinking & Innovation - I	E	9.0	0.5	4.5
MC181	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	C	6.0	0.5	3.0
				Total	22.0
					200.5

SGPA (ODD) FIRST YEAR FIRST SEMESTER : 9.11

SGPA (EVEN) FIRST YEAR SECOND SEMESTER :

YGPA :

Result : P

Stream : Computer Science and Technology

Kolkata, on 30th March, 2021

Debika Bhattacharjee
Controller of Examinations
 University of Engineering & Management, Kolkata

1. The table below shows the letter grades and their corresponding classification and percentage points :

Theoretical

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Below Average	40 to 49	D	5
Failed	Below 40	F	2

Practical / Sessional

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Failed	Below 50	F	2

2. The methods of calculation of Grade Point Average (GPA) are as follows :

$$\begin{aligned} \text{SGPA} &= \frac{\sum(\text{Credit Points})}{\sum(\text{Credits})} \\ (\text{Semester Grade Point Average}) & \\ \text{YGPA} &= \frac{\sum(\text{Credit Points of Odd Semester}) + \sum(\text{Credit Points of Even Semester})}{\sum(\text{Credits of Odd Semester}) + \sum(\text{Credits of Even Semester})} \\ (\text{Yearly Grade Point Average}) & \end{aligned}$$

3. The methods of calculation of final Degree Grade Point Average (DGPA) are as follows :

$$\begin{aligned} \text{DGPA} &= (\text{YGPA1} + \text{YGPA2} + 1.5 \times \text{YGPA3} + 1.5 \times \text{YGPA4}) / 5 \\ (\text{For 4-year Degree Course}) & \\ \text{DGPA} &= (\text{YGPA2} + 1.5 \times \text{YGPA3} + 1.5 \times \text{YGPA4}) / 4 \\ (\text{For Lateral Entry Students}) & \\ \text{DGPA} &= (\text{YGPA1} + \text{YGPA2} + \text{YGPA3}) / 3 \\ (\text{For 3-year Degree Course}) & \\ \text{DGPA} &= (\text{YGPA1} + \text{YGPA2}) / 2 \\ (\text{For 2-year Degree Course}) & \end{aligned}$$

4. No Class / Percentage is awarded.

5. The method of conversion from Grade Point Average (GPA) to corresponding percentage of marks is as follows :

$$\text{Percentage of Marks} = (\text{GPA} - 0.75) \times 10$$

6. Different Nomenclatures of Result :

X	:	Not Eligible for Promotion / Degree
XP	:	Eligible for Promotion with Backlog/s
P	:	Passed and Promoted



UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

University Area, Plot No. III - B/5, New Town, Action Area - III, Kolkata - 700160



GRADE CARD

FOR THE FIRST YEAR B.Tech SECOND SEMESTER EXAMINATION OF 2021 - 2022 OF

NAME: MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR

ROLL NO.: 12020009022271

REGISTRATION NO.: 304202000901022

Subject Code	Subject Name	Letter Grade	Points	Credit	Credit Points
BSC202	Chemistry	O	10.0	4.0	40.0
BSC203	Mathematics and Statistics - II	E	9.0	3.0	27.0
ESC201	Basic Electronics Engineering	A	8.0	2.0	16.0
ESC203	Programming for Problem Solving	E	9.0	2.0	18.0
ESC204	Engineering Mechanics	B	7.0	3.0	21.0
HSMC201	English Communication and Public Speaking Skills - II	O	10.0	2.0	20.0
HSMC202	Essential Studies for Professionals - II	A	8.0	2.0	16.0
BSC292	Chemistry Laboratory	O	10.0	1.0	10.0
ESC291	Basic Electronics Engineering Laboratory	E	9.0	1.0	9.0
ESC293	Programming for Problem Solving Laboratory	O	10.0	1.0	10.0
ESC294	Engineering Drawing, 3D Design Laboratory	O	10.0	1.0	10.0
HSMC291	English Communication and Public Speaking Skills - II Laboratory	O	10.0	1.0	10.0
HSMC281	Foreign Language	O	10.0	0.5	5.0
HSMC282	Skill Development for Professionals - II	O	10.0	1.0	10.0
HSMC283	Physical Education	O	10.0	0.5	5.0
MOOC201	Economics, Finance and Entrepreneurship Skills - II	O	10.0	1.5	15.0
MOOC202	Design Thinking & Innovation - II	E	9.0	1.0	9.0
			Total	27.5	251.0

SGPA (ODD) FIRST YEAR FIRST SEMESTER : 9.11

SGPA (EVEN) FIRST YEAR SECOND SEMESTER : 9.13

YGPA : 9.12

Result : P

Stream : Computer Science and Technology

Kolkata, on 13th September, 2022

Debika Bhattacharya
Controller of Examinations
University of Engineering & Management, Kolkata

1. The table below shows the letter grades and their corresponding classification and percentage points :

Theoretical

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Below Average	40 to 49	D	5
Failed	Below 40	F	2

Practical / Sessional

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Failed	Below 50	F	2

2. The methods of calculation of Grade Point Average (GPA) are as follows :

$$\text{SGPA} = \frac{\sum(\text{Credit Points})}{\sum(\text{Credits})}$$

(Semester Grade Point Average)

$$\text{YGPA} = \frac{\sum(\text{Credit Points of Odd Semester}) + \sum(\text{Credit Points of Even Semester})}{\sum(\text{Credits of Odd Semester}) + \sum(\text{Credits of Even Semester})}$$

(Yearly Grade Point Average)

3. The methods of calculation of final Degree Grade Point Average (DGPA) are as follows :

$$\text{DGPA} = (\text{YGPA}_1 + \text{YGPA}_2 + 1.5 \times \text{YGPA}_3 + 1.5 \times \text{YGPA}_4) / 5$$

(For 4-year Degree Course)

$$\text{DGPA} = (\text{YGPA}_2 + 1.5 \times \text{YGPA}_3 + 1.5 \times \text{YGPA}_4) / 4$$

(For Lateral Entry Students)

$$\text{DGPA} = (\text{YGPA}_1 + \text{YGPA}_2 + \text{YGPA}_3) / 3$$

(For 3-year Degree Course)

$$\text{DGPA} = (\text{YGPA}_1 + \text{YGPA}_2) / 2$$

(For 2-year Degree Course)

4. No Class / Percentage is awarded.

5. The method of conversion from Grade Point Average (GPA) to corresponding percentage of marks is as follows :

$$\text{Percentage of Marks} = (\text{GPA} - 0.75) \times 10$$

6. Different Nomenclatures of Result :

X	: Not Eligible for Promotion / Degree
XP	: Eligible for Promotion with Backlog/s
P	: Passed and Promoted



UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

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GRADE CARD

FOR THE SECOND YEAR B.Tech FIRST SEMESTER EXAMINATION OF 2021 - 2022 OF

NAME: MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR

ROLL NO.: 12020009022271

REGISTRATION NO.: 304202000901022

Subject Code	Subject Name	Letter Grade	Points	Credit	Credit Points
BSC301	Mathematics - III	E	9.0	2.0	18.0
ESC301	Analog Electronic Circuits	O	10.0	3.0	30.0
ESC302	Digital Electronics	O	10.0	3.0	30.0
PCCCS301	Data Structure & Algorithm	E	9.0	3.0	27.0
PCCCS302	IT Workshop	O	10.0	1.0	10.0
HSMC301	Humanities - I (Technical Report Writing using Latex)	O	10.0	3.0	30.0
HSMC302	Essential Studies for Professionals - III	E	9.0	2.0	18.0
ESC391	Analog Electronic Circuits Laboratory	O	10.0	2.0	20.0
ESC392	Digital Electronics Laboratory	O	10.0	2.0	20.0
PCCCS391	Data Structure & Algorithm Laboratory	O	10.0	2.0	20.0
PCCCS392	IT Workshop Practical	O	10.0	2.0	20.0
PROJCS381	Innovative Project - I	O	10.0	1.0	10.0
HSMC382	Skill Development for Professionals - III	O	10.0	1.0	10.0
MC381	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	O	10.0	0.5	5.0
				Total	27.5
					268.0

SGPA (ODD) SECOND YEAR FIRST SEMESTER : 9.75

SGPA (EVEN) SECOND YEAR SECOND SEMESTER :

YGPA :

Result : P

Stream : Computer Science and Technology

Kolkata, on 13th September, 2022

Debika Bhattacharya
Controller of Examinations
University of Engineering & Management, Kolkata

1. The table below shows the letter grades and their corresponding classification and percentage points :

Theoretical

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Below Average	40 to 49	D	5
Failed	Below 40	F	2

Practical / Sessional

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Failed	Below 50	F	2

2. The methods of calculation of Grade Point Average (GPA) are as follows :

$$\begin{aligned} \text{SGPA} &= \frac{\sum(\text{Credit Points})}{\sum(\text{Credits})} \\ (\text{Semester Grade Point Average}) & \\ \text{YGPA} &= \frac{\sum(\text{Credit Points of Odd Semester}) + \sum(\text{Credit Points of Even Semester})}{\sum(\text{Credits of Odd Semester}) + \sum(\text{Credits of Even Semester})} \\ (\text{Yearly Grade Point Average}) & \end{aligned}$$

3. The methods of calculation of final Degree Grade Point Average (DGPA) are as follows :

$$\begin{aligned} \text{DGPA} &= (\text{YGPA1} + \text{YGPA2} + 1.5 \times \text{YGPA3} + 1.5 \times \text{YGPA4}) / 5 \\ (\text{For 4-year Degree Course}) & \\ \text{DGPA} &= (\text{YGPA2} + 1.5 \times \text{YGPA3} + 1.5 \times \text{YGPA4}) / 4 \\ (\text{For Lateral Entry Students}) & \\ \text{DGPA} &= (\text{YGPA1} + \text{YGPA2} + \text{YGPA3}) / 3 \\ (\text{For 3-year Degree Course}) & \\ \text{DGPA} &= (\text{YGPA1} + \text{YGPA2}) / 2 \\ (\text{For 2-year Degree Course}) & \end{aligned}$$

4. No Class / Percentage is awarded.

5. The method of conversion from Grade Point Average (GPA) to corresponding percentage of marks is as follows :

$$\text{Percentage of Marks} = (\text{GPA} - 0.75) \times 10$$

6. Different Nomenclatures of Result :

X	: Not Eligible for Promotion / Degree
XP	: Eligible for Promotion with Backlog/s
P	: Passed and Promoted



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GRADE CARD

FOR THE SECOND YEAR B.Tech SECOND SEMESTER EXAMINATION OF 2021 - 2022 OF

NAME: MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR

ROLL NO.: 12020009022271

REGISTRATION NO.: 304202000901022

Subject Code	Subject Name	Letter Grade	Points	Credit	Credit Points
PCCCS401	Discrete Mathematics	O	10.0	4.0	40.0
PCCCS402	Computer Organization & Architecture	O	10.0	3.0	30.0
PCCCS403	Operating Systems	O	10.0	3.0	30.0
PCCCS404	Design & Analysis of Algorithms	O	10.0	3.0	30.0
PCCCS405	Artificial Intelligence & Machine Learning	O	10.0	2.0	20.0
MC401	Environmental Sciences	O	10.0	0.0	0.0
HSMC401	Finance & Accounting	E	9.0	3.0	27.0
HSMC402	Essential Studies for Professionals - IV	O	10.0	2.0	20.0
PCCCS492	Computer Organization & Architecture Laboratory	O	10.0	2.0	20.0
PCCCS493	Operating Systems Laboratory	E	9.0	2.0	18.0
PCCCS494	Design & Analysis of Algorithms Laboratory	O	10.0	2.0	20.0
PCCCS495	Artificial Intelligence & Machine Learning Laboratory	O	10.0	1.0	10.0
MC481	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	O	10.0	0.0	0.0
HSMC482	Skill Development for Professionals - IV	E	9.0	1.0	9.0
PROJCS481	Innovative Project - II	O	10.0	1.0	10.0
MOOC4	Massive Open Online Courses [Mandatory for B.Tech(Honours)]	O	10.0	1.0	10.0
				Total	30.0
					294.0

SGPA (ODD) SECOND YEAR FIRST SEMESTER : 9.75

SGPA (EVEN) SECOND YEAR SECOND SEMESTER : 9.80

YGPA : 9.77

Result : P

Stream : Computer Science and Technology

Kolkata, on 13th September, 2022

Debika Bhattacharjee

Controller of Examinations
University of Engineering & Management, Kolkata

1. The table below shows the letter grades and their corresponding classification and percentage points :

Theoretical

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Below Average	40 to 49	D	5
Failed	Below 40	F	2

Practical / Sessional

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Failed	Below 50	F	2

2. The methods of calculation of Grade Point Average (GPA) are as follows :

$$\begin{aligned} \text{SGPA} &= \frac{\sum(\text{Credit Points})}{\sum(\text{Credits})} \\ (\text{Semester Grade Point Average}) & \\ \text{YGPA} &= \frac{\sum(\text{Credit Points of Odd Semester}) + \sum(\text{Credit Points of Even Semester})}{\sum(\text{Credits of Odd Semester}) + \sum(\text{Credits of Even Semester})} \\ (\text{Yearly Grade Point Average}) & \end{aligned}$$

3. The methods of calculation of final Degree Grade Point Average (DGPA) are as follows :

$$\begin{aligned} \text{DGPA} &= \frac{(\text{YGPA}_1 + \text{YGPA}_2 + 1.5 \times \text{YGPA}_3 + 1.5 \times \text{YGPA}_4)}{5} \\ (\text{For 4-year Degree Course}) & \\ \text{DGPA} &= \frac{(\text{YGPA}_2 + 1.5 \times \text{YGPA}_3 + 1.5 \times \text{YGPA}_4)}{4} \\ (\text{For Lateral Entry Students}) & \\ \text{DGPA} &= \frac{(\text{YGPA}_1 + \text{YGPA}_2 + \text{YGPA}_3)}{3} \\ (\text{For 3-year Degree Course}) & \\ \text{DGPA} &= \frac{(\text{YGPA}_1 + \text{YGPA}_2)}{2} \\ (\text{For 2-year Degree Course}) & \end{aligned}$$

4. No Class / Percentage is awarded.

5. The method of conversion from Grade Point Average (GPA) to corresponding percentage of marks is as follows :

$$\boxed{\text{Percentage of Marks} = (\text{GPA} - 0.75) \times 10}$$

6. Different Nomenclatures of Result :

X	: Not Eligible for Promotion / Degree
XP	: Eligible for Promotion with Backlog/s
P	: Passed and Promoted



UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

University Area, Plot No. III - B/5, New Town, Action Area - III, Kolkata - 700160



GRADE CARD

FOR THE THIRD YEAR B.Tech FIRST SEMESTER EXAMINATION OF 2022 - 2023 OF

NAME: MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR **ROLL NO.:** 12020009022271

REGISTRATION NO.: 304202000901022

Subject Code	Subject Name	Letter Grade	Points	Credit	Credit Points
ESCT501	Signals & Systems	O	10.0	3.0	30.0
PCCCST501	Database Management Systems	O	10.0	3.0	30.0
PCCCST502	Formal Language & Automata Theory	O	10.0	3.0	30.0
PCCCST503	Object Oriented Programming	O	10.0	2.0	20.0
PCCCST504	Software Engineering	O	10.0	2.0	20.0
PECCST501	Professional Elective - I : Deep Learning	O	10.0	3.0	30.0
HSMCT501	Humanities - II (Principles of Management)	O	10.0	3.0	30.0
HSMC(IT)502	Essential Studies for Professionals - V	B	7.0	2.0	14.0
MCT501	Constitution of India & Essence of Indian Knowledge Tradition	E	9.0	0.0	0.0
PCCCST591	Database Management Systems Laboratory	O	10.0	2.0	20.0
PCCCST593	Object Oriented Programming Laboratory	O	10.0	2.0	20.0
PCCCST594	Software Engineering Laboratory	O	10.0	1.0	10.0
HSMC582	Skill Development for Professionals - V	E	9.0	1.0	9.0
PROJCST581	Innovative Project - III	O	10.0	1.0	10.0
MC581	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	O	10.0	1.0	10.0
MOOC5	Massive Open Online Course (Mandatory for B.Tech(Honours))	A	8.0	3.0	24.0
			Total	32.0	307.0

SGPA (ODD) THIRD YEAR FIRST SEMESTER : 9.59

SGPA (EVEN) THIRD YEAR SECOND SEMESTER :

YGPA :

Result : P

Stream : Computer Science and Technology

Debika Bhattacharyya
Controller of Examinations

University of Engineering & Management, Kolkata

1. The table below shows the letter grades and their corresponding classification and percentage points :

Theoretical

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Below Average	40 to 49	D	5
Failed	Below 40	F	2

Practical / Sessional

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Failed	Below 50	F	2

2. The methods of calculation of Grade Point Average (GPA) are as follows :

$$\begin{aligned} \text{SGPA} &= \frac{\sum(\text{Credit Points})}{\sum(\text{Credits})} \\ (\text{Semester Grade Point Average}) & \\ \text{YGPA} &= \frac{\sum(\text{Credit Points of Odd Semester}) + \sum(\text{Credit Points of Even Semester})}{\sum(\text{Credits of Odd Semester}) + \sum(\text{Credits of Even Semester})} \\ (\text{Yearly Grade Point Average}) & \end{aligned}$$

3. The methods of calculation of final Degree Grade Point Average (DGPA) are as follows :

$$\begin{aligned} \text{DGPA} &= (Y\text{GPA}_1 + Y\text{GPA}_2 + 1.5 \times Y\text{GPA}_3 + 1.5 \times Y\text{GPA}_4) / 5 \\ (\text{For 4-year Degree Course}) & \\ \text{DGPA} &= (Y\text{GPA}_2 + 1.5 \times Y\text{GPA}_3 + 1.5 \times Y\text{GPA}_4) / 4 \\ (\text{For Lateral Entry Students}) & \\ \text{DGPA} &= (Y\text{GPA}_1 + Y\text{GPA}_2 + Y\text{GPA}_3) / 3 \\ (\text{For 3-year Degree Course}) & \\ \text{DGPA} &= (Y\text{GPA}_1 + Y\text{GPA}_2) / 2 \\ (\text{For 2-year Degree Course}) & \end{aligned}$$

4. No Class / Percentage is awarded.

5. The method of conversion from Grade Point Average (GPA) to corresponding percentage of marks is as follows :

$$\text{Percentage of Marks} = (\text{GPA} - 0.75) \times 10$$

6. Different Nomenclatures of Result :

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XP	: Eligible for Promotion with Backlog/s
P	: Passed and Promoted



UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA

University Area, Plot No. III - B/5, New Town, Action Area - III, Kolkata - 700160



GRADE CARD

FOR THE THIRD YEAR B.Tech SECOND SEMESTER EXAMINATION OF 2022 - 2023 OF

NAME: MAGAPU SHANMUKHA CHAKRA GOVINDU KUMAR

ROLL NO.: 12020009022271

REGISTRATION NO.: 304202000901022

Subject Code	Subject Name	Letter Grade	Points	Credit	Credit Points
PCCCST601	Compiler Design	O	10.0	3.0	30.0
PCCCST602	Computer Networks	E	9.0	3.0	27.0
PCCCST603	Cloud Computing & IOT	O	10.0	2.0	20.0
PECCST601	Professional Elective - II : Soft Computing	O	10.0	3.0	30.0
PECCST602	Professional Elective - III : Blockchain Technology	O	10.0	3.0	30.0
OECCST601	Open Elective - I : Human Resource Development and Organizational Behavior	O	10.0	3.0	30.0
HSMC(CS)602	Essential Studies for Professionals - VI	O	10.0	2.0	20.0
PCCCST691	Compiler Design Laboratory	O	10.0	2.0	20.0
PCCCST692	Computer Networks Laboratory	E	9.0	2.0	18.0
PCCCST693	Cloud Computing & IoT Laboratory	O	10.0	1.0	10.0
PROJCST681	Project - I	O	10.0	3.0	30.0
HSMC682	Skill Development for Professionals - VI	E	9.0	1.0	9.0
MC681	Mandatory Additional Requirement (Co-Curricular/Extra Curricular Activity)	A	8.0	1.0	8.0
MOOC6	Massive Open Online Courses (Mandatory for B.Tech(Honours))	A	8.0	3.0	24.0
				Total	32.0
					306.0

SGPA (ODD) THIRD YEAR FIRST SEMESTER : 9.59

SGPA (EVEN) THIRD YEAR SECOND SEMESTER : 9.56

YGPA : 9.58

Result : P

Stream : Computer Science and Technology

Kolkata, on 26th July, 2023

Debika Bhattacharyya

Controller of Examinations
University of Engineering & Management, Kolkata

1. The table below shows the letter grades and their corresponding classification and percentage points :

Theoretical

Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
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Classification	Range of Marks Obtained (out of 100)	Letter Grade	Points
Outstanding	90 to 100	O	10
Excellent	80 to 89	E	9
Very Good	70 to 79	A	8
Good	60 to 69	B	7
Fair	50 to 59	C	6
Failed	Below 50	F	2

2. The methods of calculation of Grade Point Average (GPA) are as follows :

$$\text{SGPA} = \frac{\sum(\text{Credit Points})}{\sum(\text{Credits})}$$

(Semester Grade Point Average)

$$\text{YGPA} = \frac{\sum(\text{Credit Points of Odd Semester}) + \sum(\text{Credit Points of Even Semester})}{\sum(\text{Credits of Odd Semester}) + \sum(\text{Credits of Even Semester})}$$

(Yearly Grade Point Average)

3. The methods of calculation of final Degree Grade Point Average (DGPA) are as follows :

$$\text{DGPA} = \frac{(\text{YGPA}_1 + \text{YGPA}_2 + 1.5 \times \text{YGPA}_3 + 1.5 \times \text{YGPA}_4)}{5}$$

(For 4-year Degree Course)

$$\text{DGPA} = \frac{(\text{YGPA}_2 + 1.5 \times \text{YGPA}_3 + 1.5 \times \text{YGPA}_4)}{4}$$

(For Lateral Entry Students)

$$\text{DGPA} = \frac{(\text{YGPA}_1 + \text{YGPA}_2 + \text{YGPA}_3)}{3}$$

(For 3-year Degree Course)

$$\text{DGPA} = \frac{(\text{YGPA}_1 + \text{YGPA}_2)}{2}$$

(For 2-year Degree Course)

4. No Class / Percentage is awarded.

5. The method of conversion from Grade Point Average (GPA) to corresponding percentage of marks is as follows :

$$\text{Percentage of Marks} = (\text{GPA} - 0.75) \times 10$$

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P	: Passed and Promoted



UNIVERSITY OF ENGINEERING & MANAGEMENT

(Established by Act XXV of 2014 of Govt. of West Bengal & recognized by UGC, Ministry of HRD, Govt. of India)
University Area, Plot No. III-B/5, Main Arterial Road, New Town, Action Area-III, Kolkata - 700 160, W.B., India
Admission Office : 'ASHRAM', GN-34/2, Salt Lake Electronics Complex, Kolkata - 700 091, W.B., India

Ph. (Office) : 91 33 2357 2969
: 91 33 2357 7649
Admissions : 91 33 2357 2059
Fax : 91 33 2357 8302
E-mail : vc@uem.edu.in
Website : www.uem.edu.in

S. No: 12020009022271/BFC

Date: 06th December 2023

BONAFIDE CERTIFICATE

This is to certify that **Magapu Shanmukha Chakra Govindu Kumar (Enrollment No. 12020009022271)** is a bonafide student of "University of Engineering & Management, Kolkata", 2020-2024 batch of Computer Science and Technology department.

As per the records Magapu Shanmukha Chakra Govindu Kumar was enrolled in the mentioned course on 07th November 2020 and his final semester examination will get over by 31st May 2024.

We wish Magapu Shanmukha Chakra Govindu Kumar success in life.

Prof. (Dr.) Sukalyan Goswami

Registrar

Registrar
University of Engineering & Management, Kolkata
University Area, Plot No.-III-B/5
New Town Action Area-III, Kolkata-700160

Place: Kolkata



Other Institutes of the Group

University of Engineering & Management (UEM) Jaipur - 6 Km. from Chomu on Sikar Road (NH-11), Jaipur-303807, Rajasthan. Ph. 01423-516102

Institute of Engineering & Management (IEM) - Salt Lake Electronics Complex, Sector - V, Kolkata - 700 091, West Bengal. Ph. (033) 2357-2969

New York Public School - GE, 4/A, Sector - III, Salt Lake, Kolkata - 700 106, West Bengal (Near Tank No. - 12, Behind NIFT Girls' Hostel)