

**Board of Intermediate and Secondary Education Rajshahi
Bangladesh**

RBCC Serial No. 150-118312
Serial No. RB 14- 4410233



Roll No. 189916
Registration No. 112783295/2013-14
Centre 662 - Panchbibi - B

Secondary School Certificate Examination - 2015

This is to certify that

Tareq Hasan

son/daughter of

Tayem Uddin and Tahmina Akter

of

Panchbibi L. B. Pilot Govt. High School, Joypurhat

duly passed the Secondary School Certificate Examination in

Science group

held in the month of February-March, 2015 securing GPA 4.83 in the scale of 5.00.

The date of his/her birth is

Twelfth December Nineteen Hundred Ninety Nine.

Date of passing: Rajshahi, May-30, 2015.

Sk. Zahed
Controller of Examinations



Government of the People's Republic of Bangladesh
Office of the Headmaster

Panchbibi L.B.P Government High School

Panchbibi, Joypurhat, Bangladesh

TESTIMONIAL

This is to certify that *Tareq Hasan*

Father's Name *Tayem Uddin*

Mother's Name *Tahmina Akter*

bearing Roll Panchbibi-B No *149916* and Registration No *112783296*

of session 2013-2014, passed the secondary school certificate Examination

from this institution in 2015, and obtained G.P.A. *4.83* in Science/

Humanities group. His date of birth is *12.12.1999*

As far as I know, his conduct is satisfactory and he did not take part in any

subversive activity of the state or of discipline during the period of his studies in

this institution.

I wish him every success in life.

Debasish Raha

Headmaster

Dated, _____

Panchbibi L.B.P Government High School

Panchbibi, Joypurhat.

Board of Intermediate and Secondary Education Rajshahi Bangladesh

Serial No. RB 14 4318063



SECONDARY SCHOOL CERTIFICATE EXAMINATION - 2015

Rhs- 150-118312

ACADEMIC TRANSCRIPT

Letter Grade	Class Interval	Grade Point
A+	80 - 100	5
A	70 - 79	4
A-	60 - 69	3.5
B	50 - 59	3
C	40 - 49	2
D	33 - 39	1
F	0 - 32	0

Name of Student : Tareq Hasan
 Father's Name : Sayem Uddin
 Mother's Name : Tahmina Akhter
 Date of Birth : 12/12/1999
 In Words : Twelfth December Nineteen Hundred Ninety Nine
 Institution : 5100 - Panchbibi L. B. Pilot Govt. High School, Joypurhat
 Centre : 462 - Panchbibi - B
 Roll No. : 149916 Registration No. : 1212783295/2013-14
 Group : Science Type : Regular

Sl.No	Name of Subjects	Letter Grade	Grade Point (GP)	GPA (without Additional Subject)	Grade Point Average(GPA)
1	Bangla	A+	5	4.67	4.83
2	English	A+	5		
3	Mathematics	A	4		
4	Bangladesh and Global Studies	A+	5		
5	Islam and Moral Education	A	4		
6	Physics	A	4		
7	Chemistry	A+	5		
8	Biology	A+	5		
9	Physical Education, Health & Sports	A+	5		
Additional Subject :					
10	Higher Mathematics	A-	3.5	GP Above 2 1.50	

Date of publication of results: Rajshahi, May 30, 2015

(Signature)
Controller of Examinations

Board of Intermediate and Secondary Education Rajshahi Bangladesh

RBCC Serial No. *170-083067*

Serial No. RB 17- 0035950



Roll No. *127269*

Registration No. *1212783295/2015-16*

Code & Centre *652 - Joypurhat-2*

Higher Secondary Certificate Examination - 2017

This is to certify that

Tareq Hasan

son/daughter of

Sayem Uddin and Tahmina Akhter

of

Joypur Hat Govt. College, Joypurhat

duly passed the Higher Secondary Certificate Examination in

Science group

held in the month of April- May, 2017 securing GPA *4.33* in the scale of 5.00.

Date of passing: Rajshahi, July 23, 2017.

LA
Controller of Examinations

Note: This Certificate is issued without any alteration or erasure.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
অধ্যক্ষের কার্যালয়

জয়পুরহাট সরকারি কলেজ, জয়পুরহাট।

প্রশংসা পত্র

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এই মর্মে প্রশংসা পত্র প্রদান করা যাচ্ছে যে তারেক হাসান
পিতা হাফিজ উদ্দিন মাতা তাহমিনা আকতার
২০ ২৫ - ২০ ২৬..... শিক্ষাবর্ষে অত্র কলেজে উচ্চ মাধ্যমিক শ্রেণীর মানবিক/বিজ্ঞান/ব্যবসায়
শিক্ষা সাথার ছাত্র/ছাত্রী ছিল। সে ২০ ২৭..... সালের উচ্চ মাধ্যমিক সার্টিফিকেট
(মানবিক/বিজ্ঞান/ব্যবসায় শিক্ষা) পরীক্ষায় অংশ গ্রহণ করেছে এবং জি.পি.এ
..... ৪.৬৬ পেয়ে উত্তীর্ণ হয়েছে। এই পরীক্ষায় তার রোল নং
..... ২২৭২৪৩ এবং নিবন্ধন নং ২২২৭৮৬২২৫.....।

তার চরিত্র উত্তম এবং আমার জানা মতে সে রাষ্ট্র বিরোধী বা মৃগ্যতার পরিপন্থী কোন কার্যে লিপ্ত ছিল না।
আমি তার জীবনের সর্বাঙ্গীন উন্নতি ও সাফল্য কামনা করি।

লেখক তারেক হাসান
তারিখ : ০৭/০৭/২০

অধ্যক্ষ
জয়পুরহাট সরকারি কলেজ
জয়পুরহাট
তারিখ : ০৭/০৭/২০

Board of Intermediate and Secondary Education Rajshahi Bangladesh

Serial No. RB 16 **0011511**



HIGHER SECONDARY CERTIFICATE EXAMINATION - 2017

Letter Grade	Class Interval(%)	Grade Point
A+	80 - 100	5
A	70 - 79	4
A-	60 - 69	3.5
B	50 - 59	3
C	40 - 49	2
D	33 - 39	1
F	0 - 32	0

Roll No. 170-083047

ACADEMIC TRANSCRIPT

Name of Student : Tareq Hasan
 Father's Name : Sayem Uddin
 Mother's Name : Tahmina Akhter
 Name of Institution : 5000 - Joypur Hat Govt. College, Joypurhat
 Name of Centre : 452 - Joypurhat-2
 Roll No. : 127249 Registration No. : 1212783295/2015-16
 Group : Science Type : Regular

Sl.No	Name of Subjects	Marks Obtained	Letter Grade	Grade Point	GPA (Without additional subj.)	GPA
1	Bangla	159	A+	5	3.83	4.33
2	English	092	C	2		
3	Physics	123	A-	3.5		
4	Chemistry	172	A+	5		
5	Higher Mathematics	121	A-	3.5		
6	Information & Communication Technology	072	A	4		
Additional subject :						
7	Biology	166	A+	5	GP Above 2 3.00	

Date of publication of results: Rajshahi, July 23, 2017.


Controller of Examinations

Bangladesh Army University of Science and Technology
(BAUST)

Saidpur, Nilphamari



Serial No: PC-01-000516



ID No : 180201141

Regn No : CSE-08-18141

Session : Winter 2019

Provisional Certificate

Bachelor of Science in Computer Science and Engineering

This is to certify that

TAREQ HASAN

of Faculty of Electrical and Computer Engineering has obtained the degree of Bachelor of Science in Computer Science and Engineering in the Examination of December 2022 - January 2023 and obtained Cumulative Grade Point Average (CGPA) 3.37 on a scale of 4.00.

Results Published on: 25 January 2023

Issued on: 15 February 2023

Prepared by:



Controller of Examinations

Verified by:

N.B.: This provisional certificate must be surrendered while receiving the original one.

BANGLADESH ARMY UNIVERSITY OF SCIENCE AND TECHNOLOGY (BAUST), SAIDPUR



Serial No. : MC-01-000516

MIGRATION CERTIFICATE

This is to certify that TAREQ HASAN son of SAYEM UDDIN & TAHMINA AKHTER bearing ID No. 180201141 was a student of this university. He obtained the degree of Bachelor of Science in Computer Science and Engineering from this university in the year 2023 (Examination was held in December 2022-January 2023).

The university has no objection if he proceeds on higher studies in any university home and abroad.

I wish his every success in life.

Date:

02/03/2023



Registrar

BANGLADESH ARMY UNIVERSITY OF SCIENCE AND TECHNOLOGY (BAUST), SAIDPUR



Serial No. : T-01-000516

TESTIMONIAL

This is to certify that **TAREQ HASAN** son of **SAYEM UDDIN & TAHMINA AKHTER** bearing ID No. 180201141 was a student of this University from Winter Semester 2019 to Summer Semester 2022. He fulfilled the requirements of the degree of Bachelor of Science in Computer Science and Engineering on 25 January 2023 and obtained CGPA 3.37 on a scale of 4.00.

During his stay in the University, there is nothing on record against his character or university discipline.

I wish him all the success in life.

Date: 02.03.2023



Proctor

BANGLADESH ARMY UNIVERSITY OF SCIENCE AND TECHNOLOGY (BAUST), SAIDPUR



Serial No. : MEC-01-000516

MARKS EQUIVALENCE CERTIFICATE

This is to certify that TAREQ HASAN son of SAYEM UDDIN & TAHMINA AKHTER bearing ID No. 180201141 was a student in the Department of Computer Science and Engineering of Bangladesh Army University of Science and Technology (BAUST), Saidpur during Winter Semester 2019 to Summer Semester 2022.

He has obtained the degree of Bachelor of Science in Computer Science and Engineering with a CGPA of 3.37 on a scale of 4.00.

As per conversion formula adopted by the Academic Council of the University his earned CGPA may be considered to be equivalent to 71.40% Marks.

Formula of Conversion is shown below:

- a) Marks = $79 + 84(X - 3.75)$; $3.75 \leq X \leq 4.00$
 - b) Marks = $44 + 20(X - 2.00)$; $2.20 \leq X \leq 3.75$
- Here X = earned CGPA

Prepared by: 

Checked by: 



Date: 

 Controller of Examinations

BANGLADESH ARMY UNIVERSITY OF SCIENCE AND TECHNOLOGY (BAUST), SAIDPUR



Serial No. : MOI-01-000516

MEDIUM OF INSTRUCTION

This is to certify that TAREQ HASAN son of SAYEM UDDIN & TAHMINA AKHTER bearing ID No. 180201141 was a student of this university. He obtained the degree of Bachelor of Science in Computer Science and Engineering from this university in the year 2023 (Examination was held in December 2022- January 2023) with a CGPA of 3.37 on a scale of 4.00.

The medium of instruction of this university is English.

I wish his every success in life.

Date: 01/03/2023




Controller of Examinations

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-004807

GRADE SHEET

Level-1 Term-I Examination 2019

Winter Semester 2019

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Grade Point	Percentage
A+	4.00	97%-100%
A	3.75	93%-96%
A-	3.50	89%-92%
B+	3.25	85%-88%
B	3.00	81%-84%
B-	2.75	77%-80%
C+	2.50	73%-76%
C	2.25	69%-72%
D	2.00	65%-68%
F	0.00	Below 60%
I	-	Incomplete
W	-	Withdraw
X	-	Continuation to Next Term

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : **CSE-08-18141**

Course Code	Course Title	Credit	Grade	Grade Point
CSE 1101	Introduction to Computer System	2.00	B	3.00
CSE 1102	Introduction to Computer System Sessional	0.75	C	2.25
EEE 1163	Basic Electrical Engineering	3.00	C+	2.50
EEE 1164	Basic Electrical Engineering Sessional	1.50	C+	2.50
ME 1181	Basic Mechanical Engineering	3.00	C	2.25
MATH 1141	Math-I (Differential & Integral Calculus)	3.00	D	2.00
PHY 1103	Physics	3.00	D	2.00
PHY 1104	Physics Sessional	0.75	B	3.00
HUM 1101	English	3.00	C+	2.50

Backlog Examination:

Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
20.00	20.00	2.45	20.00	2.45

Prepared by

Verified by

Controller of Examinations

Date of Result Publication: 08 July 2019

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-003067

GRADE SHEET

Level-1 Term-II Examination 2019

Summer Semester 2019

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Points	Percentage
A+	4.00	85% - 100%
A	3.75	75% - 85%
A-	3.50	70% - 75%
B+	3.25	65% - 70%
B	3.00	60% - 65%
B-	2.75	55% - 60%
C+	2.50	50% - 55%
C	2.25	45% - 50%
D	2.00	40% - 45%
F	0.00	Below 40%
I	-	Incomplete
W	-	Withdrawn
X	-	Continuation to Next Year

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : **CSE-08-18141**

Course Code	Course Title	Credit	Grade	Grade Point
CSE 1200	Software Development Project-I	0.75	A-	3.50
CSE 1201	Discrete Mathematics	3.00	D	2.00
CSE 1203	Structured Programming Language	3.00	B	3.00
CSE 1204	Structured Programming Language Sessional	1.50	B	3.00
EEE 1269	Electronic Devices and Circuits	3.00	C	2.25
EEE 1270	Electronic Devices and Circuits Sessional	1.50	B+	3.25
ME 1250	Engineering Drawing Sessional	1.50	B+	3.25
MATH 1243	Math-II (Ordinary and Partial Differential Equations and Coordinate Geometry)	3.00	B-	2.75
CHEM 1201	Chemistry	3.00	D	2.00

Backlog Examination:

Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
20.25	20.25	2.61	40.25	2.53

Prepared by

Verified by

Controller of Examinations

Date of Result Publication: 29 December 2019

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-003628

GRADE SHEET

Level-2 Term-I Examination 2020

Winter Semester 2020

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Grade Point	Numerical Markings
A+	4.50	90%-100%
A	3.75	75%-90%
A-	3.50	70%-75%
B+	3.25	65%-70%
B	3.00	60%-65%
B-	2.75	55%-60%
C+	2.50	50%-55%
C	2.25	45%-50%
D	2.00	40%-45%
F	0.00	Below 40%
I	-	Incomplete
W	-	Withdrawal
X	-	Continuation (Re-take)

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : **CSE-08-18141**

Course Code	Course Title	Credit	Grade	Grade Point
CSE 2101	Digital Logic Design	3.00	B+	3.25
CSE 2102	Digital Logic Design Sessional	1.50	A	3.75
CSE 2103	Data Structures	3.00	A-	3.50
CSE 2104	Data Structures Sessional	1.50	A	3.75
CSE 2105	Object Oriented Programming I	3.00	B-	2.75
CSE 2106	Object Oriented Programming I Sessional	1.50	B+	3.25
EEE 2169	Electrical Drives and Instrumentation	3.00	B+	3.25
EEE 2170	Electrical Drives and Instrumentation Sessional	0.75	A-	3.50
MATH 2145	Math-III (Vector Analysis, Matrices and Fourier Analysis)	3.00	A	3.75

Backlog Examination:				
Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
20.25	20.25	3.37	60.50	2.81

Prepared by

Verified by

Controller of Examinations

Date of Result Publication: 13 July 2020

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-004024

GRADE SHEET

Level-2 Term-II Examination 2020

Summer Semester 2020

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Grade Points	Numerical Markings
A+	4.00	91%-100%
A	3.75	81%-90%
A-	3.50	71%-80%
B+	3.25	61%-70%
B	3.00	51%-60%
B-	2.75	41%-50%
C+	2.50	31%-40%
C	2.25	21%-30%
D	2.00	11%-20%
F	0.00	Below 10%
I	-	Not graded
W	-	Withdrawn
X	-	Continuation in Next Year

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : **CSE-08-18141**

Course Code	Course Title	Credit	Grade	Grade Point
CSE 2200	Software Development Project-II	0.75	A-	3.50
CSE 2201	Algorithms	3.00	B	3.00
CSE 2202	Algorithms Sessional	1.50	A	3.75
CSE 2203	Object Oriented Programming II	3.00	A+	4.00
CSE 2204	Object Oriented Programming II Sessional	1.50	A+	4.00
CSE 2205	Digital Electronics and Pulse Technique	3.00	A+	4.00
CSE 2206	Digital Electronics and Pulse Technique Sessional	0.75	A+	4.00
CSE 2207	Numerical Methods	3.00	A+	4.00
CSE 2208	Numerical Methods Sessional	0.75	A-	3.50
MATH 2247	Math-IV (Complex Variable and Laplace Transform)	3.00	A+	4.00

Backlog Examination:

Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
20.25	20.25	3.80	80.75	3.06

Prepared by

Verified by

Controller of Examinations

Date of Result Publication: 02 March 2021 (Theory only) & 31 December 2021 (Consolidated with sessional due to COVID-19 pandemic)

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-004449

GRADE SHEET

Level-3 Term-I Examination 2021

Winter Semester 2021

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Grade Points	Numerical Markings
A+	4.00	85%+100%
A	3.75	75%+85%
A-	3.50	70%+75%
B+	3.25	65%+70%
B	3.00	60%+65%
B-	2.75	55%+60%
C+	2.50	50%+55%
C	2.25	45%+50%
D	2.00	40%+45%
F	0.00	Below 40%
I	-	Improper
W	-	Withdraw
X	-	Continued to Next Year

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : **CSE-08-18141**

Course Code	Course Title	Credit	Grade	Grade Point
CSE 3101	Database Management Systems	3.00	A-	3.50
CSE 3102	Database Management Systems Sessional	1.50	A+	4.00
CSE 3103	Microprocessor and Assembly Language	3.00	B+	3.25
CSE 3104	Microprocessor and Assembly Language Sessional	1.50	A-	3.50
CSE 3105	Computer Architecture	3.00	A-	3.50
CSE 3107	Communication Engineering	3.00	A+	4.00
CSE 3109	Theory of Computation	2.00	A	3.75
CSE 3112	Technical Writing and Presentation	1.00	A+	4.00
HUM 3115	Society Ethics and Technology	2.00	A-	3.50

Backlog Examination:

Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
20.00	20.00	3.63	100.75	3.17

Prepared by

Verified by

Controller of Examinations

Date of Result Publication: 29 August 2021 (Theory only) & 31 December 2021 (Consolidated with sessional due to COVID-19 pandemic)

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-004912

GRADE SHEET

Level-3 Term-II Examination 2021

Summer Semester 2021

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Grade Points	Numerical Markings
A+	4.50	85% - 100%
A	3.75	75% - 84%
A-	3.50	70% - 74%
B+	3.25	65% - 69%
B	3.00	60% - 64%
B-	2.75	55% - 59%
C+	2.50	50% - 54%
C	2.25	45% - 49%
D	2.00	40% - 44%
F	0.00	Below 40%
I	-	Incomplete
W	-	Withdrawn
X	-	Excluded (Not Evaluated)

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : **CSE-08-18141**

Course Code	Course Title	Credit	Grade	Grade Point
CSE 3200	Web Engineering Project	1.50	A-	3.50
CSE 3201	Compiler	3.00	B	3.00
CSE 3202	Compiler Sessional	0.75	A-	3.50
CSE 3203	Operating System	3.00	A+	4.00
CSE 3204	Operating System Sessional	0.75	B+	3.25
CSE 3205	Computer Network	3.00	A+	4.00
CSE 3206	Computer Network Sessional	1.50	A	3.75
CSE 3207	Mathematical Analysis for Computer Science	3.00	A	3.75
HUM 3215	Engineering Economics and Accounting	3.00	A+	4.00

Backlog Examination:				
Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
19.50	19.50	3.70	120.25	3.26

Prepared by

Verified by

Controller of Examinations

Date of Result Publication: 10 March 2022

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-005329

GRADE SHEET

Level-4 Term-I Examination 2022

Winter Semester 2022

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Grade Points	Numerical Markings
A+	4.00	80%-100%
A	3.75	71%-80%
A-	3.50	61%-71%
B+	3.25	51%-61%
B	3.00	41%-51%
B-	2.75	31%-41%
C+	2.50	21%-31%
C	2.25	11%-21%
D	2.00	0%-11%
F	0.00	Below 0%
I	-	Incomplete
W	-	Withdraw
X	-	Continued/Retired

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : CSE-08-18141

Course Code	Course Title	Credit	Grade	Grade Point
CSE 4000*	Project/Thesis	3.00	X	Continued
CSE 4101	Artificial Intelligence	3.00	B	3.00
CSE 4102	Artificial Intelligence Sessional	0.75	B	3.00
CSE 4103	Software Engineering and Information System	3.00	A+	4.00
CSE 4104	Software Engineering and Information System Sessional	0.75	A+	4.00
CSE 4139	Machine Learning	3.00	B-	2.75
CSE 4155	Cryptography and Network Security	3.00	A+	4.00
CSE 4156	Cryptography and Network Security Sessional	0.75	A+	4.00
ME 4117	Industrial Management	3.00	A	3.75

*Continued to Level-4, Term-II

Backlog Examination:				
Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
20.25	17.25	3.52	137.50	3.29

Prepared by

Verified by

Controller of Examinations

Date of Result Publication: 11 August 2022

Bangladesh Army University of Science and Technology (BAUST), Saidpur



Serial No. : GS-01-005708

GRADE SHEET

Level-4 Term-II Examination 2022

Summer Semester 2022

Bachelor of Science in Engineering

Department of Computer Science and Engineering

Grading System		
Grade	Grade Points	Numerical Markings
A+	4.00	90%–100%
A	3.75	80%–89%
A-	3.50	70%–79%
B+	3.25	60%–69%
B	3.00	50%–59%
B-	2.75	40%–49%
C+	2.50	30%–39%
C	2.25	20%–29%
D	2.00	10%–19%
F	0.00	Below 10%
I	-	Incomplete
W	-	Withdrawn
X	-	Continued to Next Year

Name : **TAREQ HASAN**

ID No. : **180201141**

Registration No. : **CSE-08-18141**

Course Code	Course Title	Credit	Grade	Grade Point
CSE 4000*	Project/Thesis	[3.00]+ 3.00	A+	4.00
CSE 4201	Computer Graphics	3.00	A+	4.00
CSE 4202	Computer Graphics Sessional	0.75	A-	3.50
CSE 4203	Digital Signal Processing	3.00	A-	3.50
CSE 4204	Digital Signal Processing Sessional	1.50	A	3.75
CSE 4245	Digital Image Processing	3.00	A+	4.00
CSE 4246	Digital Image Processing Sessional	0.75	A-	3.50
CSE 4251	Data Ware-housing and Data Mining	3.00	A	3.75
CSE 4252	Data Ware-housing and Data Mining Sessional	1.50	A+	4.00

*Continued from Level-4, Term-I

Backlog Examination:				
Course Code	Course Title	Credit	Grade	Grade Point

Credit Registered	Credit Earned	GPA	Cumulative Earned Credit	CGPA
19.50	22.50	3.85	160.00	3.37

Prepared by

Verified by

Controller of Examinations

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