



# WORLD UNIVERSITY OF BANGLADESH

E-mail: info@wub.edu.bd, Website : www.wub.edu.bd

## TRANSCRIPT OF ACADEMIC RECORD (DUPLICATE)

Name : S. M. Firoj Mahmud  
Registration No. : WUB 11/10/27/683  
Degree Awarded : B.Sc. in Mechatronics Engineering  
Date of Birth : August 20, 1992

Minimum number of Credits required for Degree : 161.00

Total number of Credits earned by the student : 161.00

Date of completion of the degree requirements : April, 2015

Cumulative Grade Point Average (CGPA) earned : 3.83

This Transcript contains 4 (four) pages including this page.

Date Prepared

21st May, 2015

Prepared by

[Signature]

Verified by

[Signature]



[Signature]  
Controller of Examinations  
World University of Bangladesh (WUB)

The following uniform grading system approved by the UGC for all Universities is applied in the examinations.

Numerical Marks	Letter Grade	Grade Point
80% and above	A+ (A plus)	4.00
75% to less than 80%	A (A regular)	3.75
70% to less than 75%	A- (A minus)	3.50
65% to less than 70%	B+ (B plus)	3.25
60% to less than 65%	B (B regular)	3.00
55% to less than 60%	B- (B minus)	2.75
50% to less than 55%	C+ (C plus)	2.50
45% to less than 50%	C (C regular)	2.25
40% to less than 45%	D	2.00
less than 40%	F	0.00
—	I	Incomplete
—	W	Withdrawn

$$\text{Cumulative Grade Point Average} = \frac{\sum CGP}{\sum C} = \frac{\text{Summation of (Number of Credits in a Course} \times \text{Grade Point Earned in that Course)}}{\text{Total Number of Credits Earned}}$$

(a) Maximum Attainable CGPA = 4.00

(b) Minimum CGPA Required for Award of Degree = 2.50





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## Details of Academic Record

Name: S. M. Firoj Mahmud

Student ID: WUB 11/10/27/683

Course Code	Course Name	Credit Hours	Grade	Grade Point
ENG 101	Functional English	3	A-	3.50
PHY 103	Physics	3	A+	4.00
PHY 104	Physics Lab	1	B	3.00
MTE 105	Fundamentals of Computing	3	A+	4.00
MTE 106	Fundamentals of Computing Lab	1	A	3.75
MTE 107	Engineering Drawing	3	A-	3.50
Credits Earned: 14.00		Cumulative Credits: 14.00	Cumulative GPA: 3.70	

Course Code	Course Name	Credit Hours	Grade	Grade Point
CHEM 201	Chemistry	3	A+	4.00
CHEM 202	Chemistry Lab	1	A+	4.00
MTE 203	Fundamentals of Electrical & Electronics Engineering	3	A+	4.00
MTE 205	Fundamentals of Mechanical Engineering	3	A+	4.00
MATH 207	Differential and Integral Calculus	3	A+	4.00
Credits Earned: 13.00		Cumulative Credits: 27.00	Cumulative GPA: 3.84	

Course Code	Course Name	Credit Hours	Grade	Grade Point
MATH 301	Statistics	3	A+	4.00
ACC 303	Principles of Accounting	3	A+	4.00
MTE 305	Thermo-fluid Engineering	3	A+	4.00
MTE 306	Thermo-fluid Engineering Lab	1	A+	4.00
MTE 307	Electrical Circuits I	3	A+	4.00
MTE 308	Electrical Circuits I Lab	1	A+	4.00
Credits Earned: 14.00		Cumulative Credits: 41.00	Cumulative GPA: 3.90	

Course Code	Course Name	Credit Hours	Grade	Grade Point
ECON 401	Economics	3	A	3.75
MTE 403	Digital Logic Circuits and Microprocessors	3	B+	3.25
MTE 404	Digital Logic Circuits and Microprocessors Lab	1	A-	3.50
MATH 405	Matrices and Vector Analysis	3	A+	4.00
MTE 407	Introduction to Programming	1	A+	4.00
MTE 408	Introduction to Programming Lab	1	A+	4.00
Credits Earned: 12.00		Cumulative Credits: 53.00	Cumulative GPA: 3.85	

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Name: S. M. Firoj Mahmud

Student ID: WUB 11/10/27/683

Course Code	Course Name	Credit Hours	Grade	Grade Point
MTE 501	Electrical Machines	3	A+	4.00
MTE 502	Electrical Machines Lab	1	A+	4.00
MATH 503	Differential, Partial Differential Equations and Coordinate Geometry	3	A+	4.00
MTE 505	Electronics	3	A	3.75
MTE 506	Electronics Lab	1	A	3.75
MTE 507	Engineering Materials	3	B	3.00
Credits Earned: 14.00		Cumulative Credits: 67.00	Cumulative GPA: 3.82	

Course Code	Course Name	Credit Hours	Grade	Grade Point
MTE 601	Electrical Circuits II	3	A+	4.00
MTE 602	Electrical Circuits II Lab	1	A+	4.00
MTE 603	Telecommunication Engineering	3	A-	3.50
MTE 605	Fundamentals of Mechatronics Engineering	3	A+	4.00
MTE 607	Engineering Mechanics and Mechanics of Solids	3	A+	4.00
Credits Earned: 13.00		Cumulative Credits: 80.00	Cumulative GPA: 3.83	

Course Code	Course Name	Credit Hours	Grade	Grade Point
MTE 701	Manufacturing Process with CNC Programming	3	A+	4.00
MTE 702	Manufacturing Process with CNC Programming Lab	1	A+	4.00
MTE 703	Power Electronics	3	A+	4.00
MTE 704	Power Electronics Lab	1	A	3.75
MTE 705	VLSI Design	3	A+	4.00
MTE 706	VLSI Design Lab	1	A	3.75
HUM 707	Industrial Law	3	A	3.75
Credits Earned: 15.00		Cumulative Credits: 95.00	Cumulative GPA: 3.85	

Course Code	Course Name	Credit Hours	Grade	Grade Point
MATH 801	Complex Variables and Transform Methods	3	A+	4.00
MTE 803	Control System Design	3	A+	4.00
MTE 805	Refrigeration & Air-conditioning	3	A-	4.00
MTE 806	Refrigeration & Air-conditioning Lab	1	A+	4.00
MTE 807	Solid State Device and Semi-conductor Theory	3	A+	4.00
Credits Earned: 13.00		Cumulative Credits: 108.00	Cumulative GPA: 3.87	

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Name: S. M. Firoj Mahmud

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Course Code	Course Name	Credit Hours	Grade	Grade Point
MTE 901	Automobile Engineering	3	A+	4.00
MTE 902	Automobile Engineering Lab	1	A	3.75
MTE 903	Machine Tools	2	A+	4.00
MTE 905	Power Plant Engineering	3	A+	4.00
MTE 907	Industrial Management	3	A+	4.00
Credits Earned:	12.00	Cumulative Credits:	120.00	Cumulative GPA: 3.88

Course Code	Course Name	Credit Hours	Grade	Grade Point
MTE 1001	Numerical Methods	3	A+	4.00
MTE 1003	Measurement and Instrumentation	3	A+	4.00
MTE 1004	Measurement and Instrumentation Lab	1	A	3.75
MTE 1005	Automation and Robotics	3	A	3.50
MTE 1007	Satellite Communication	3	A	3.75
Credits Earned:	13.00	Cumulative Credits:	133.00	Cumulative GPA: 3.87

Course Code	Course Name	Credit Hours	Grade	Grade Point
MTE 1101	Electromechanical Design	3	A-	3.50
MTE 1103	Bio-electromechanical Engineering	3	A+	4.00
MTE 1105	Power Electronics and Drives	3	B+	3.25
MTE 1107	Digital Signal Processing	3	A	3.75
MTE 1108	Digital Signal Processing Lab	1	A-	3.50
Credits Earned:	13.00	Cumulative Credits:	146.00	Cumulative GPA: 3.85

Course Code	Course Name	Credit Hours	Grade	Grade Point
MTE 1201	Mobile Telecommunication	3	A	3.75
MTE 1207	Special Topics in Mechatronics Engineering	3	A-	3.50
MTE 1219	Switchgear and Protection	3	A+	4.00
	Dissertation	6	A-	3.50
Credits Earned:	15.00	Cumulative Credits:	161.00	Cumulative GPA: 3.83

Date Prepared

21st May, 2015

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Verified by

*[Signature]*



*[Signature]*

Controller of Examinations  
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End of Transcript.





# WORLD UNIVERSITY OF BANGLADESH

## Certificate

Serial No. 11-683-0526

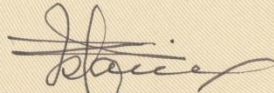
Date 9th March, 2017

*S. M. Firoj Mahmud*

*is certified to have completed all the requirements for the award of the Degree of  
B. Sc. in Mechatronics Engineering. (4 Years)*

*and in recognition has been admitted to the said Degree on ... 4th April ... , 2015.*

*The candidate has obtained a CGPA of ... 3.83 ... on a scale of 4.00.*

  
Controller of Examinations



  
Vice-Chancellor