CAU

Kiel University Christian-Albrechts-Universität zu Kiel

MASTER

The

Faculty of Engineering

confers upon

Md. Saidul Islam

Date of Birth: 11 October 1992

after having completed all requirements and examinations in

Materials Science and Engineering

the Degree of

Master of Science (M.Sc.)

Kiel, 25 March 2024

Prof. Dr. Lorenz Kienle

Vice Dean



Bangladesh University of Engineering & Technology Dhaka

CERTIFICATE

In accordance with the statutes of the University

Md. Saidul Islam

having satisfactorily fulfilled all the academic requirements and having received the approval of the Syndicate is hereby awarded, with all the rights and privileges pertaining thereto, the degree of

BACHELOR OF SCIENCE IN MATERIALS AND METALLURGICAL ENGINEERING

	all the requirements	
the month of	February, 2017	$_{-}$. His / Her grade
point average is _		of 4.0.
This certificate is	signed under the sea	l of the University
on19 March, 2019	·	
	Wise Chanceller	
	Vice-Chancellor	- Carriers
	Arce-Cuqueenor	

Registrar

Controller of Examinations

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA BANGLADESH

Serial No. DBH 0017914

DBCHC 10011159



Registration No. 793634/2008

HIGHER SECONDARY CERTIFICATE EXAMINATION,

This is to Certify that Md. Saidul Islam

Son / Daughter of Nurul Islam Mir

and Manowara Begum

of Stamford College

bearing Roll

10 20 19

duly passed the

Higher Secondary Certificate (HSC) Examination in

G.P.A 5.00 on a scale of 5.00.

Science

group and secured

Date of Publication of Results: 15 July, 2010.

Controller of Examinations

TRANSCRIPT OF RECORDS

Family Name: Islam Md. Saidul First Name(s):

Date of Registration: 09.10.2019 Date of Birth: 10.11.1992 Registration Number: 1152127

Materials Science and Engineering Subject of Study:

Master of Science (M.Sc.) Degree:

Module Name / Examination	Grade	CP
Materials Science and Engineering	2.2	120
Master's Thesis	2.8	30
Application of Sparse Identification of Non-Linear Dynamics (SINDy) and Artificial Neural Network (ANN) algorithm, for Magnetoelectric Sensor/Actuator Modelling		
Compulsory Modules	2.4	58
Solid State Physics	2.0	8
Written Examination: Solid State Physics 1+ 2	2.0	
Analytics 1	3.0	4
Written or Oral Examination: Analytics 1	3.0	
Analytics 2	2.0	4
Written or Oral Examination: Analytics 2	2.0	
Advanced Materials A	2.3	8
Written or Oral Examination: Advanced Materials A	2.3	
Advanced Materials - Polymers	3.7	4
Written or Oral Examinations: Advanced Materials - Polymers	3.7	
Advanced Materials - Electronic Materials 2	3.7	4
Written or Oral Examinations: Advanced Materials - Electronic Materials 2	3.7	
Advanced Mathematics	2.7	6
Written or Oral Examination: Advanced Mathematics	2.7	
Thermodynamics and Kinetics 1	1.7	4
Written or Oral Examination: Thermodynamics and Kinetics 1	1.7	
Thermodynamics and Kinetics 2	1.7	4
Written Examination: Thermodynamics and Kinetics 2	1.7	
Master Lab 1	n.g.	4
8 Certificate: Master Lab 1	n.g.	
Master Lab 2	n.g.	4
8 Certificate: Master Lab 2	n.g.	
Master Lab 3	n.g.	4
8 Certificate: Master Lab 3	n. g.	
Technical Elective Modules	1.7	27
Semiconductors and Defects	2.3	5
Written or Oral Examination: Semiconductors and Defects	2.3	
Advanced Metallic Materials	2.3	3
Presentation with Written Summery: Advanced Metallic Materials	2.3	_
Numerical modeling using COMSOL Multiphysics software	1.7	3
Seminar Paper with Written Report: Numerical modeling using COMSOL Multiphysics software	1.7	
· · · · · · · · · · · · · · · · · · ·		1/2

Christian-Albrechts-Universität zu Kiel Technische Fakultät

Transcript of Records Md. Saidul Islam

Module Name / Examination	Grade	CP
Computational Modeling of Inelastic Material Behavior	1.3	5
Written or Oral Examination: Computational Modeling of Inelastic Material Behavior	1.3	
Finite Element Methods	1.3	7
Written or Oral Examination: Finite Element Methods	1.3	
Advanced Continuum Mechanics	2.0	5
Written or Oral Examination: Advanced Continuum Mechanics	2.0	
Non-technical Elective Modules	1.0	5
German as a Foreign Language A1.1 (CEFR)	1.0	5
Cumulative Examination: German as a Foreign Language A1.1 (CEFR)	1.0	
Total number of Credit Points awarded		120
Final Grade	Good (2.2)	

Kiel, 25 March 2024

Faculty of Engineering Kiel University - Examination Office -

Materials Science Kaiserstr. 2 D-2448Kigh-Mil

p. p. Christiane Otte-Hüls Technische Fakultät Prüfungsamt Materialwissenschaft

Legend:

Credit Points according to the European Credit Transfer System (ECTS) CP:

Module / examination passed but not graded n. g.:

Grades:

up to and including 1.5 = Excellent; from 1.6 up to and including 2.5 = Good; from 2.6 up to and including 3.5 = Satisfactory; from 3.6 up to and including 4.0 = Sufficing.



TRANSCRIPT OF ACADEMIC RECORD

Name

: Md. Saidul Islam

Student Number

: 1011022

Date of Birth

: October 11, 1992

Degree Awarded

: Bachelor of Science in Materials and Metallurgical Engineering

abbreviated as B.Sc.Engg.(MME)

Sessions Attended

: 2010-11 to 2014-15

Date of completion of the degree requirements : February, 2017

Minimum number of Credits required for Degree: 160.00

Total number of Credits earned by the student

: 160.00

Grade Point Average (GPA Tearned

: 2.94

Highest GPA in the class

: 3.96

Number of students in the graduating class

: 53

Merit position of the student

: 48

Number of graduates in the class with

GPA more than the GPA of this student

: 47

This Transcript contains five pages including this page.

Date Prepared

Prepared by

Verified by

BUET Dhaka

Controller of Examinations

Bangladesh University of Engineering & Technology

DHAKA

2 Grade Point Average (GPA) =

Summation of (Number of Credits in a Course X Grade Point Earned in that Course)

Total Number of Credits Earned

Maximum Attainable GPA = 4.00 GPA Required for Degree with HONOURS = 3.75

Minimum GPA Required for Award of Degree = 2.20

Grading System

	Letter Grade	Grade Point	Numerical Equivalent
	A+	4.00	80% and above
	A	3.75	75% to below 80%
	A-	3.50	70% to below 75%
8	B+	3.25	65% to below 70%
	В	3.00	60% to below 65%
	B-	2.75	55% to below 60%

Letter Grade	Grade Point	Numerical Equivalent
C+	2.50	50% to below 55%
C	2.25	45% to below 50%
D	2.00	40% to below 45%
F	0.00	Less than 40%
X	Continuation	
S	Satisfactory	

^{1.} It may be noted that there is an anomaly regarding "Sessions Attended" and "Date of completion of degree requirements". The anomaly has arisen due to delay in starting an academic session and extension of the academic calendar beyond the stipulated calendar year due to various reasons. Students are normally expected to complete degree requirements within four/five academic sessions which may extend over more than four/five calendar years.



Details of Academic Record

Name: Md. Saidul Islam

Student Number: 1011022

Session 2010-11

Level-1 Term-1 (February, 2011-September, 2011)

Course No	Course Title	Credits	Grade	Grade Point
CHEM 107	Inorganic and Physical Chemistry	3.00	В	3.00
CHEM 114	Inorganic Quantitative Analysis	1.50	A	3.75
EEE 155	Electrical Engineering Fundamentals	3.00	A+	4.00
EEE 156	Electrical Engineering Fundamentals Sessional	1.50	A	3.75
MATH 171	Calculus and Differential Equation	3.00	В	3.00
MME 131	Introduction to Metallurgy and Materials	3.00	B+	3.25
PHY 102	Physics Sessional I	1.50	A-	3.50
PHY 103	Optics, Waves and Oscillation	3.00	B+	3.25

Credit Earned: 19.50

Term GPA: 3.38

Cummulative Credits: 19.50

Cummulative GPA: 3.38

Session 2010-11

Level-1 Term-2 (August, 2011-April, 2012)

Course No	Course Title	Credits	Grade	Grade Point
CHEM 121	Organic Chemistry	3.00	B+	. 3.25
CHEM 122	Organic Chemistry Sessional	1.50	A+	4.00
HUM 101	English	3.00	В	3.00
MATH 173	Vector Analysis and Matrices	3.00	В	3.00
ME 141	Engineering Mechanics	3.00	В	3.00
ME 160	Mechanical Engineering Drawing I	1.50	B-	2.75
MME 138	Introduction to Computing	1.50	A	3.75
PHY 113	Properties of Matter, Electricity and Magnetis and Modern Physics	3.00	C	2.25
SHOP 182	Machine Shop, Sheet Metal and Carpentry	1.50	A+	4.00

Credit Earned: 21.00

Term GPA: 3.11

Cummulative Credits: 40.50

50 Cummulative GPA: 3.24

Session 2011-12

Level-2 Term-1 (April, 2012-February, 2013)

Course No	Course Title	Credits	Grade	Grade Point
MATH 271	Numerical Analysis, Statistics and Partial Differential Equations	4.00	D	2.00
ME 243	Mechanics of Solids	3.00	F	0.00
ME 260	Mechanical Engineering Drawing II	1.50	B-	2.75
MME 211	Crystallography and Structure of Materials	2.00	B-	2.75
MME 212	Crystallography and Structure Sessional	0.75	C+	2.50
MME 222	Materials Testing Sessional	1.50	В	3.00
MME 231	Materials Thermodynamics	3.00	F	0.00
MME 241	Fuels and Combustions	3.00	D	2.00
MME 242	Fuels and Combustions Sessional	1.50	A-	3.50

Credit Earned: 14.25

Term GPA: 2.47

Cummulative Credits: 54.75

Cummulative GPA: 3.04

Date Prepared

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Details of Academic Record

Name: Md. Saidul Islam

Student Number: 1011022

Session 2011-12

Level-2 Term-2 (February, 2013-November, 2013)

Course No	Course Title	Credits	Grade	Grade Point
EEE 267	Electrical and Electronic Technology	3.00	A	3.75
HUM 103	Economics	3.00	A	3.75
ME 221	Elements of Fluid Mechanics and Machinery	3.00	C+	2.50
MME 213	Phase Diagrams and Transformation	4.00	B+	3.25
MME 214	Metallography	1.50	В	3.00
MME 230	Materials and Metallurgical Analysis	1.50	C+	2.50
MME 235	Heat and Mass Transfer	3.00	D	2.00
MME 238	Computer Application to Metallurgy and Materials	1.50	A-	3.50

Credit Earned: 20.50 Term GPA: 3.05

Cummulative Credits: 75.25 Cummulative GPA: 3.04

Session 2012-13

Level-3 Term-1 (November, 2013-July, 2014)

Course No	Course Title	Credits	Grade	Grade Point
MME 321	Crystal Defects, Deformation and Fracture	3.00	C	2.25
MME 325	Corrosion and Degradation of Materials	3.00	B-	2.75
MME 338	Application of CAD to Materials Processing	0.75	B-	2.75
MME 340	Communication Techniques	0.75	B-	2.75
MME 341	Refractories and Furnaces	3.00	В	3.00
MME 342	Refractories and Furnaces Sessional	1.50	A-	3.50
MME 351	Principles of Ore Dressing and Extractive Metallugy	3.00	В	3.00
MME 354	Chemical Metallurgy Sessional	1.50	B-	2.75
	Ferrous Production Metallurgy	4.00	B+	3.25

Credit Earned: 20.50 Term GPA: 2.90
Cummulative Credits: 95.75 Cummulative GPA: 3.01

Session 2012-13

Level-3 Term-2 (July, 2014-February, 2015)

Course No	Course Title	Credits	Grade	Grade Point
HUM 305	Economics of Development and Planning	2.00	A+	4.00
MME 343	Surface Engineering of Materials	3.00	В	3.00
MME 344	Surface Engineering of Materials Sessional	0.75	A	3.75
MME 345	Foundry Engineering	4.00	D	2.00
MME 346	Foundry Engineering Sessional	1.50	A-	3.50
MME 347	Metal Joining Technology	3.00	B-	2.75
MME 348	Metal Joining Technology Sessional	1.50	A-	3.50
MME 365	Ceramics and Glass Engineering	3.00	A-	3.50
MME 366	Ceramics and Glass Engineering Sessional	0.75	В	3.00

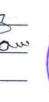
Credit Earned: 19.50 Term GPA: 3.04

Cummulative Credits: 115.25 Cummulative GPA: 3.02

Date Prepared

Prepared by

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Details of Academic Record

Name: Md. Saidul Islam

Student Number: 1011022

Session 2013-14

Level-4 Term-1 (January, 2015-September, 2015)

Course No	Course Title	Credits	Grade	Grade Point
IPE 491	Engineering Management	3.00	В	3.00
MME 300	Industrial Training	0.00	S	
MME 323	Physical Properties of Materials	3.00	B-	2.75
MME 400	Thesis	1.50	X	
MME 411	Principles of Materials Characterisation	3.00	C+	2.50
MME 440	Materials Processing Plant Design	0.75	C	2.25
MME 443	Physical Metallurgy of Steel and Heat Treatment	3.00	A-	3.50
MME 444	Heat Treatment and Microstructure Sessional	1.50	B+	3.25
MME 475	Polymers and Composites	3.00	В	3.00
MME 476	Polymers and Composites Sessional	0.75	D	2.00

Credit Earned: 18.00

Term GPA: 2.91

Cummulative Credits: 133.25

Cummulative GPA: 3.00

Session 2013-14

Level-4 Term-2 (July, 2015-March, 2016)

Course No	Course Title	Credits	Grade	Grade Point
IPE 483	Production Planning and Control	3.00	C+	2.50
MME 400	Thesis	3.00 [+ 1.50]	B-	2.75
MME 442	Failure of Materials and Artefact Study	1.50	C+	2.50
MME 445	Metallic Alloys and Materials Selection	3.00	B-	2.75
MME 447	Industrial Metal Working Processes	3.00	F	0.00
MME 457	Powder Metallurgy	2.00	B+	3.25
MME 458	Metal Forming Sessional	0.75	B-	2.75
MME 467	Ceramics for Advanced Applications	3.00	C	2.25

Credit Earned: 17.75

Term GPA: 2.66

Cummulative GPA: 2.95

Cummulative Credits: 151.00 Cummulative GPA: 2.96

Session 2013-14

Level-4 Term-2 (July, 2015 (ISupp)-May, 2016)

Course No	Course Title			Credits	Grade	Grade Point
MME 447	Industrial Metal	Working Processes		3.00	C	2.25
Credit Earne	d: 03.00	Term GPA:	2.25			387

Session 2014-15

Cummulative Credits: 154.00

Level-4 Term-1 (January, 2016-August, 2016)

Course No	Course Title	Credits	Grade	Grade Point
MATH 271	Numerical Analysis, Statistics and Partial Differential Equations	4.00	C	2.25
ME 243	Mechanics of Solids	3.00	F	0.00
MME 231	Materials Thermodynamics	3.00	C	2.25

Credit Earned: 07.00 Term GPA: 2.25 Cummulative Credits: 157.00 Cummulative GPA: 2.94

Date Prepared

Prepared by

Verified by





Details of Academic Record

Name: Md. Saidul Islam

Student Number: 1011022

Session 2014-15

Level-4 Term-1 (January, 2016 (ISupp)-November, 2016)

Session 2014-15		Level-4 Termi-1 (Januar)	Level-4 Term-1 (January, 2010 (ISupp)-November, 2010)				
Course No	Course Title		Credits	Grade	Grade Point		
ME 243	Mechanics of Solids		3.00	F	0.00		
Credit Earne	d: 00.00	Term GPA: 0.00	With the second				
Cummulativ	e Credits: 157.00	Cummulative GPA: 2.94					

Session 2014-15

Level-4 Term-2 (July, 2016-February, 2017)

Course No	Course Title	Credits	Grade	Grade Point
ME 243	Mechanics of Solids	3.00	B-	2.75
Condit Forms	J. 02 00 Town CDA: 2.75			

Credit Earned: 03.00 Term GPA: 2.75

Cummulative Credits: 160.00 Cummulative GPA: 2.94

Date Prepared

Prepared by

Verified by





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BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, DHAKA.

BANGLADESH

Higher Secondary Certificate Examination, 2010

Serial No. DBH 0011240

DBCH 10011159



ACADEMIC TRANSCRIP

Letter Grade	Class Interval	Grade Point
A+	80-100	5
Α	70-79	4
A-	60-69	3.5
В	50-59	3
С	40-49	2
D	33-39	1
F	00-32	0

Name of Student

Md. Saidul Islam

Father's Name

Nurul Islam Mir

Mother's Name

Manowara Begum

Name of Institution:

Stamford College

Name of Centre

Dhaka - 10, New Model Degree College

Roll No.

10 20 19

Registration No.

793634 / 2008

Group

Science

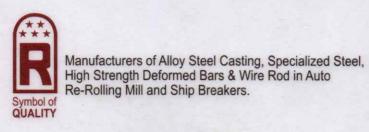
Type of Student :

Regular

SL. No.	Name of Subjects	Letter Grade	Grade Point	GPA (without additional subject)	GPA
1	Bangla	A	4		
2	English	Α	4		
3	Mathematics	A+	5	4.60	5.00
4	Physics	A+	5	d in the	
5	Chemistry	A+	5		
Additiona	nl Subject :				
6	Biology	A+	5	GP above 2 3.0	

Date of Publication of Results: 15 July 2010

Controller of Examinations



রহিম ষ্টীল মিলস্ কোঃ (প্রাঃ) লিমিটেড Rahim Steel Mills Co. (Pvt) Ltd.

EXPERIENCE CERTIFICATE

Date: 05/02/2018

To Whomsoever It May Concern

This is to certify that Mr. Md. Saidul Islam was employed with Rahim Group of Industries (Pvt.) Ltd. from 01/12/2016 to 30/01/2018 as a Quality Control Engineer at Rahim Steel Mills (Pvt.) Ltd. plant for a period of 01 year and 02 months.

His major responsibilities included conducting research on improving product quality (deformed bars of various grades, plates, angles, and channels), supervising melting parameters from metallurgical perspectives aiming at producing good quality billets according to standards, and controlling rolling parameters in order to maintain the quality of the deformed bars. He also served as an executive engineer involving comparison of different machineries for installment at different plants at Rahim Group.

His involvement in these areas is very good. During his tenure with us, he effectively handled his major responsibilities and was found to be very hard-working and productive.

We have found him to be self-starter and dynamic, duty bound, and a highly committed team player with strong conceptual background.

We wish him success in his future endeavors.

For Rahim Group of Industries (Pvt.) Ltd.

Engr. Kazi Al-Amin Arefin Head of Quality & Product Development Rahim Group.



BANDAR STEEL INDUSTRIES LTD.

Head Office: 81, Shahid Sayed Nazrul Islam Sharani (Old 10/A, North South Road) Malitola Lane, Dhaka-1100

Corporate Office: Suite # 6, Akram Tower (10th Floor) 15/5 Bijoy Nagar, Dhaka-1000, Bangladesh Ph: 8391087, 8391331, 8391330, Fax: (88-02) 8391043

Factory: Muradpur, Madanpur, Bandar, Narayangoni

Date: 04/01/2019

TO WHOM IT MAY CONCERN

This is to certify that, MD.Saidul Islam (Sayeed), has been working at BANDAR STEEL INDUSTRIES LIMITED (BSI) in Steel section as "Senior Engineer" since 1st March 2018. During this period, his services are found to be satisfactory in carrying out the job duties. His responsibilities are:

- * Co-ordinate production, processing and ensuring that materials, labor or equipment are used efficiently to meet production target and quality enrichment.
- * Resolve production and other problems.
- Co-ordinate and maintain production reports.
- Instruct testing, processing and make sure finished products are of prescribed quality.
- * Recommend procedures for facility or equipment maintenance or modification, including the production routes.

His gross salary per month is BDT 40,000(Forty Thousands Taka only).

Manager Steel Mill

the months and

I wish him every success in life.

Bacce 04/01/19 Engr. Md. Abdul Bari Manager (Steel Mill)

and ar Steel Industries Ltd. Bandar Steel Industries Limited (BSD)

Muradpur, Madanpur, Bandar, Narayangonj, Dhaka.

Mobile: +8801717169222