



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِيْمِ  
جُمُهُورِيَّةُ السُّوْدَانُ  
Republiс of Sudan  
جامعة وادي النيل  
**Nile Valley University**



0076083

11 135508 Faculty of Engineering and Technology

## Certificate

This is to certify that the Senate has awarded

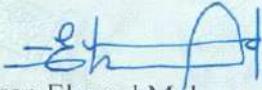
DAHY FAISAL ELSHEEKH ALAWAD (Sudanese)

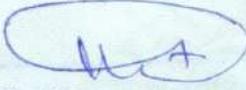
**Degree :** B.Sc. Honours in Engineering (FULL TIME)

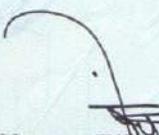
**Specialization :** Manufacturing Engineering

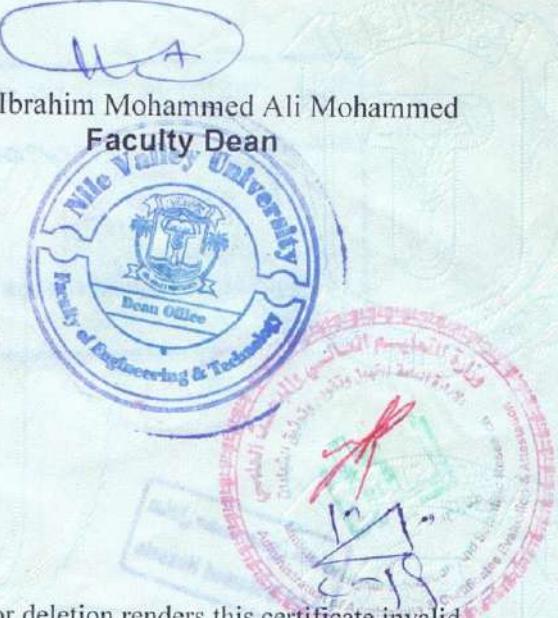
**Grade :** Third Class

**Date of Award :** 25<sup>th</sup> of September 2017

  
Elhassan Elawad Mohammed  
Registrar

  
Dr. Ibrahim Mohammed Ali Mohammed  
Faculty Dean

  
Dr. Hassan Elhamed H. Alsayim  
Academic Secretary



Date of issue : 26/11/2017

any alteration or deletion renders this certificate invalid



11 135508

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِيْمِ

جُمْهُورِيَّةُ السُّوْدَانُ

Republic of Sudan

جامعة وادي النيل

Nile Valley University

Faculty of Engineering and Technology



0074905

This is to certify that: **DAHI FAISAL ELSHEEKH ALAWAD** (Sudanese) has completed the prescribed course in **Manufacturing Engineering** of five years duration (**FULL TIME**), and he has been awarded the **B.Sc. (Honours)** degree with **Third Class** on the 25<sup>th</sup> of September 2017. The details are as follows:

**First Year:****First Semester:**

SUBJECT	Credit Hours	Grade
1. Arabic Language 1	2	B+
2. English Language 1	2	D
3. Islamic Culture 1	2	C+
4. Mathematics 1 (Calculus)	3	D
5. Mathematics 2 (Linear Algebra)	3	D+
6. Physics 1	4	C+
7. Chemistry 1	4	C
8. Engineering Drawing 1	3	C+

**Second Semester:**

SUBJECT	Credit Hours	Grade
1. Arabic Language 2	3	D
2. Mathematics 3 (Analytical Geometry)	3	D*
3. Mathematics 4 (Vectors & Series)	3	D*
4. Physics 2	4	C
5. Chemistry 2	4	B
6. Engineering Drawing 2	3	B
7. Workshop Basics	2	C

**Second Year:****First Semester:**

SUBJECT	Credit Hours	Grade
1. English Language 2	3	D
2. Mathematics 5 (Differential Equations)	3	D+
3. Islamic Culture 2	3	C+
4. Mechanical Engineering Science	3	D
5. Electrical Engineering Science 1	3	D*
6. Fundamentals of Materials Science	3	D*
7. Machine Drawing & Design	2	D
8. Computer Programming 1	2	D*

**Second Semester:**

SUBJECT	Credit Hours	Grade
1. Islamic Culture 3	3	D+
2. Arabic Language 3	3	D
3. English Language 3	3	C
4. Computer Programming 2	2	D
5. Mathematics 6 (Applied Mathematics)	3	D*
6. Electrical Engineering Science 2	3	C
7. Applied Mechanics	3	D
8. Materials Science	3	D+
Workshop Training	-	PASS

**Third Year:****First Semester:**

SUBJECT	Credit Hours	Grade
1. Mathematics 7 (Numerical Analysis)	3	D
2. Mechanics of Machines	3	C+
3. Fundamentals of Fluid Mechanics	3	D+
4. Thermodynamics 1	3	D
5. Manufacturing Processes 1	3	D+
6. Fundamentals of Materials Mechanics	3	D
7. Instrumentation & Control	2	D
8. Production Management 1	2	C

**Second Semester:**

SUBJECT	Credit Hours	Grade
1. Mathematics 8 (Statistics & Probabilities)	3	D
2. Engineering Materials	3	D*
3. Thermodynamics 2	3	C
4. Manufacturing Processes 2	3	D
5. Automation & Control	2	D
6. Mechanics of Materials	3	D
7. Production Planning & Control 1	2	D+
8. Tribology	3	D*
Industrial Training	-	PASS

NAME: DAHI FAISAL ELSHEEKH ALAWAD

(Sudanese)

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Fourth Year:

First Semester:

SUBJECT	Credit Hours	Grade
1. Mathematics 9 (Complex Functions)	3	D*
2. Engineering Design 1	3	D
3. Operation Research	3	D*
4. Environment & safety	2	D
5. Software Engineering	2	D
6. Cost Accounting	2	D*
7. Casting Technology	2	C
8. Machine Tools Technology	3	D

Second Semester:

SUBJECT	Credit Hours	Grade
1. Plastics & Ceramics Technology	3	D
2. Numerical Control Technology	3	C
3. Metal Mechanical Deformation Technology	3	D*
4. Assembly Technology	2	D+
5. Production Planning & Control 2	3	C+
6. Maintenance Management	2	C
7. Engineering Design 2	3	C
8. Production Management 2	3	D*
Industrial Training	-	PASS

Fifth Year:

First Semester:

SUBJECT	Credit Hours	Grade
1. Machine Tools Design	3	B
2. Quality & Reliability Techniques	3	C+
3. Joining Technology	2	B
4. Manufacturing Systems	3	A+
5. Engineering Economics	2	B
6. CAD/CAM 1	2	B

Second Semester:

SUBJECT	Credit Hours	Grade
1. Design for Production	3	D+
2. CAD/CAM 2	2	C
3. Manuf. Modeling & Simulation Systems	2	D
4. Statistical Quality Control	3	D+
5. Project	6	B

Grade Points Average: 2.42

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Grading System:

Grade	A+	A	B+	B	C+	C	D+	D	F
Points	4.00	3.75	3.50	3.00	2.75	2.50	2.25	2.00	0.00
Marks	100-90	89-80	79-75	74-70	69-65	64-60	59-55	54-50	49-00

Awarding System:

Class of Award	First Class	Second Class (Division One)	Second Class (Division Two)	Third Class
G.P.A	3.50 to 4.00	3.00 to 3.49	2.50 to 2.99	2.00 to 2.49

N. B.

\*Supplementary

Elhassan Elawad Mohammed  
Registrar

Date of issue: 05/11/2017

Dr. Hassan Elhamed H. Alsayim  
Academic Secretary

Dr. Ibrahim Mohammed Ali Mohammed



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