

WOLLO UNIVERSITY
REGISTRAR & ALUMNI DIRECTORATE

P.O.BOX 1145, Dessie, Ethiopia

Tel: (033)3115237

Fax: (033)3115277



Temporary Certificate of Graduation

This is to certify that

MURAD MOHAMMED RESHID

Graduated from College of Informatics

With

Master of Science Degree in

Computer Networks and Communications

On

March 06, 2025 G.C

This certificate of graduation has been given pending the printing and issuance of the actual diploma.


President




Registrar and Alumni Directorate Director

OFFICE OF REGISTRATION AND ACADEMIC DIRECTORATE
 FOMBA 1142 Dasa, Tembung
 Lembang, KODHOKCHA INSTITUTE OF TECHNOLOGY
 For Name: MOHAMMAD HIRSHAN
 ID No: 20230000000000000000

Medium of Instruction: English
 Sec. No
 Date of Birth: 11/11/1999

Graduation Date: March 06, 2023 (C.G.P.A. 2.73/3.00)
 Medium of Instruction: English
 Department: INFORMATION TECHNOLOGY
 Academic Coordinator: Education
 Academic Staff: 20230000000000000000

WORLD UNIVERSITY
 REGISTRATION AND ACADEMIC DIRECTORATE

Course Title		Course Number	ECTS	Grade	Grade Point	Course Title		Course Number	ECTS	Grade	Grade Point
Academic Year 2021, Term I						Academic Year 2024, Term IV					
FOR MOBILE SYSTEMS		ININ00117	4	A-	22.5	INFORMATION TECHNOLOGY SERVICE AND INFRASTRUCTURES		ININ00216	4	A-	22.5
CONNECTING RESEARCH METHOD		ININ00411	4	B-	18	SELECTED TOPICS IN COMPUTER NETWORKING		ININ004216	4	B-	18.5
ADVANCED COMPUTER NETWORKING & COMMUNICATIONS		ININ00412	4	B-	18.5	VIRTUALIZATION AND CLOUD COMPUTING		ININ004217	4	B-	18
Total		12			60.00	Total		12			60.00
Semester Average (SGPA):		3.17				Semester Average (SGPA):		3.19			
Academic Year 2022, Term II						Academic Year 2024-2025, Term V					
WIRELESS COMMUNICATION & MOBILE COMPUTING		ININ00421	4	B-	16.5	Mobile Application System through ML Techniques		ININ004217	4		
SYSTEM ADMINISTRATION		ININ00424	4	A	24	MLSC Topics					
MOBILE BROADBAND APPLICATIONS NETWORKS		ININ00421	4	B	18	Thesis Title: Enhancing Network Security in Mobile System through ML Techniques					
Semester Average (SGPA):		3.20			66.5	MLSC Method Approach					
Cumulative Average (CGPA):		3.21				Total ECTS		100			
Academic Year 2022-2023, Term III						Total Grade Point		231.50			
NETWORK DESIGN MOBILE AND SUB-ALTERN		ININ00412	4	B+	24	Over all cumulative average:		3.16			
NETWORKING MANAGEMENT AND SECURITY		ININ00411	4	A-	10	Status:		GRADUATED			
Total		12			34						
Semester Average (SGPA):		3.46									
Cumulative Average (CGPA):		3.24									

Grading System : A+, A, B+, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UU, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

Date of Issue: _____ Registrar and Alumni Directorate Director : _____

MAR 2023

Student Copy

Graduation Approved

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Unity University



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ፕሬዝዳንት
President

ID. NO. 01147/DSC



The Senate of Unity University, by virtue of the powers
vested in it by the Ministry of Education
has hereby granted the Degree of

Bachelor of Science

in Computer Science (With Distinction)

with all honors, privileges and obligations

to MURAD MOHAMMED RESHID

pertaining thereto and in witness thereof has
authorized its issuance duly signed and sealed.

Issued in Addis Ababa on this Nineteenth day

of the month of July in the year

Two Thousand and Nineteen

የአካዳሚክ ም/ፕሬዝዳንት
Academic Vice President

VERIFICATION NO. 35169



Unity University Student Academic Record

Medium of Instruction
Name :
Grand Father's Name :
Id. Number :
Sex :
Date of Birth :

ENGLISH
Murad Mohammed
Reshid
UU01147/DSC/R/08
M
Sunday, October 02, 1994 G.C

Faculty :
Department :
Field Of Study :
Program Type :
Enrollment Type :
Awarded Date :

Faculty of Information Technology and
Computation Science
Computer Science
Computer Science
Degree
Regular
July 19, 2019

Academic Year: 2008 EC / 2015 G.C Semester no: 1					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 111	Introduction to computer science	3	B+	10.5	
Stat 192	Introduction to statistics	3	B	9	
MaED 162	Calculus I	4	C	8	
Mgmt 212	Introduction to Management	3	B	9	
Enla 100	Communication skills	3	C+	7.5	
Semester GPA: 2.75				16	44
Cumulative GPA: 2.75					

Academic Year: 2008 EC / 2016 G.C Semester no: 2					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 172	Structured system Analysis Design	4	A	16	
MaED 161	Linear Algebra	4	B	12	
Cosc 141	Basic Electricity & Electronics	3	B	9	
Cosc 112	Fundamental of programming I	3	A+	12	
Semester GPA: 3.50				14	49
Cumulative GPA: 3.10					

Academic Year: 2008 EC / 2016 G.C Semester no: 3					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
MaED 122	Calculus II	4	C	8	
Phil 103	Civics & Ethical Education	3	B	9	
Semester GPA: 2.43				7	17
Cumulative GPA: 2.97					

Academic Year: 2009 EC / 2016 G.C Semester no: 1					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 225	Assembly Programming Language	3	A+	12	
Cosc 241	Computer Organization & Architecture	3	A	12	
Cosc 273	Fundamental of Data base Management System	4	A	16	
Cosc 221	Fundamental of Programming II	3	A	12	
Enla 201	Sophomore English	3	C+	7.5	
Semester GPA: 3.72				16	59.5
Cumulative GPA: 3.20					

Name Murad Mohammed Reshid

Id Number : UU01147/DSC/R/08

Academic Year: 2009 EC / 2017 GC Semester no: 2					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 262	Data Structure & Algorithm	4	A	16	
Cosc 274	Advanced Data base Management System	4	B+	14	
Cosc 226	Object Oriented Programming	4	B	12	
Cosc 261	Discrete Mathematics & Combinatory	3	C+	7.5	
Semester GPA: 3.30				15	49.5
Cumulative GPA: 3.22					

Academic Year: 2009 EC / 2017 GC Semester no: 3					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 230	Web Design & Implementation I	4	A	16	
Phil 101	Introduction to logic	3	B	9	
Semester GPA: 3.57				7	25
Cumulative GPA: 3.25					

Academic Year: 2010 EC / 2017 GC Semester no: 1					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 351	Operating System	4	B	12	
Cosc 383	Data Communication & Computer Networking	4	A+	16	
Cosc 331	Web Design & Implementation II	3	A	12	
Cosc 353	Formal Language Theory	3	D	3	
Cosc 363	Computer Graphics	3	A	12	
Semester GPA: 3.24				17	55
Cumulative GPA: 3.25					

Academic Year: 2010 EC / 2018 GC Semester no: 2					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 372	Software Project Management	4	A	16	
Cosc 354	Principles of Compiler Design	4	B	12	
Cosc 322	Windows Programming	4	A	16	
Cosc 374	Object Oriented system Analysis Design	3	B+	10.5	
Semester GPA: 3.63				15	54.5
Cumulative GPA: 3.30					

UNIVERSITY
COPY

Name Murad Mohammed Reshid

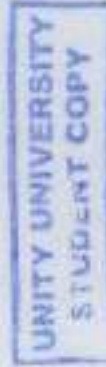
Id.Number : UU01147/DSC/R/08

Academic Year: 2010 EC / 2018 GC Semester no: 3					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Mgmt 412	Entrepreneurship & Small Business	3	B	9	
Mgmt 332	Research Methods	3	A	12	
Semester GPA: 3.50				21	
Cumulative GPA: 3.31					

Academic Year: 2011 EC / 2018 GC Semester no: 1					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 421	Advanced Object Oriented Programming	3	B	9	
Cosc 461	Intro.to Artificial Intelligence	4	A	16	
Cosc 481	Networking Administration	4	B+	14	
Cosc 465	Wireless Networking	3	A	12	
Cosc 467	Multimedia	3	A+	12	
Semester GPA: 3.71				17	
Cumulative GPA: 3.37					63

Academic Year: 2011 EC / 2019 GC Semester no: 2					
Course No	Course Title	Cr.Hrs	Grade	Grade Points	
Cosc 431	E-Commerce	3	A	12	
Cosc 482	Computer system security	3	A	12	
Cosc 462	Simulation & Modeling	3	B+	10.5	
Cosc 492	Final Project I	4	A+	16	
Semester GPA: 3.89				13	
Cumulative GPA: 3.41					50.5

Major Credit Hrs : 101
Major Cumulative GPA : 3.68



Grading System: A=Excellent, B=Good, C=Satisfactory, D=Unsatisfactory=Failing, I=Incomplete, D=Dropout
 Points: A=4, B=3, C=2, D=1, I=0.00 at October 2020, D=1=0.5, C=1=0.5, B=1=0.5, A=1=0.5
 Registrar



670293

187023028



THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
MINISTRY OF EDUCATION
NATIONAL EDUCATIONAL ASSESSMENT AND EXAMINATIONS
AGENCY (NEAEA)

The Ethiopian University Entrance Examination Certificate

This is to certify that MURAD MOHAMMED RESHID

has taken 7 (SEVEN) subject(s) in the 2014(2006 E.C.)

Examination session and has earned the following score(s) in 7 (SEVEN) subject(s)

English	42
Maths (Natural)	31
Aptitude	53
Physics	38
Chemistry	41
Biology	45
Civics	60

TOTAL 310

Araya G Ezziabher Mehari
DIRECTOR GENERAL



Zerihun Duressa
DEPUTY DIRECTOR GENERAL

JULY 2014(HAMLE 2006 E.C.)

This certificate is invalid unless
it bears the NEAEA seal on the
Photograph of the candidate.
B.S.S.P.E.

N: 1046625

A.N.R.S EDUCATION BUREAU
REGULAR STUDENT TRANSCRIPT



Ser. No 3926981

SCHOOL MEMHIR AKALEWOLDE MECHER EDUCATION PREPARATORY SECONDARY SCHOOL

ADM. ZONE SOUTH WOLLO TOWN DESSIE

TEL. No. 111 39 63 (6-4) P.O. Box 1411 FAX

FULL NAME OF THE STUDENT MURAHAMMED BESHED

SEX AGE 19

DATE OF ADMISSION 11/01/2005 E.C DATE OF LEAVING 30/10/2006 E.C

Gender Printing Enterprise 1/9/2005

SUBJECT		GRADE 11 SEC. <u>H</u>			GRADE 12 SEC. <u>CE</u>			REMARKS
		YEAR <u>2005</u>			YEAR <u>2006</u>			
		SEMESTER			SEMESTER			
		I	II	AVE.	I	II	AVE.	
1	AMHARIC	52	63	57.5	65	60	62.5	
2	ENGLISH	48	57	52.5	54	59	56.5	
3	MATHEMATICS	46	74	60	50	64	57	
4	PHYSICS	51	54	52.5	51	47	49	
5	CHEMISTRY	59	64	61.5	50	64	57	
6	BIOLOGY	51	59	55	59	57	58	
7	GEOGRAPHY	5	5	5	5	5	5	
8	HISTORY	5	5	5	5	5	5	
9	CIVIC & ETHICAL	68	75	71.5	61	70	65.5	
10	ECONOMICS	5	5	5	5	5	5	
11	GEN. BUSINESS	5	5	5	5	5	5	
12	INFORMATION TECH.	79	80	79.5	82	92	87	
13	H.P. EDUCATION	50	77	63.5	65	58	61.5	
14	TECH. DRAWING	68	69	68.5	58	61	59.5	
TOTAL		572	672	622	595	632	613.5	
AVERAGE		57.2	67.2	62.2	59.5	63.2	61.39	
RANK		31	18	26	20	16	20	
CONDUCT		A	A		A	A		

- This transcript is Prepared by YATU SITATU Checked by YATU Date 30/10/2006
- The Student's Academic record Shows he/she has completed grade twelve (12)
- This Transcript is valid only when it has no alteration erasures & bears the school seal on the student photo
- Director's Name Demissew Ayeza Sign. [Signature] Date 15-11-06

SCHOOL SEAL



0575725

1528429291

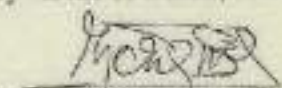
MINISTRY OF EDUCATION-ETHIOPIA
NATIONAL EDUCATIONAL ASSESSMENT AND EXAMINATIONS
AGENCY (NEAEA)

The Ethiopian General Secondary Education Certificate

This is to certify that MURAD MOHAMMED RESHID
has taken 9 (NINE) subject(s) in the 2012(2004 E.C.)
Examination session and has earned the following grade(s) in 9 (NINE) subject(s).

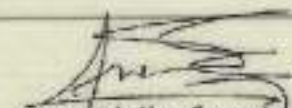
Amharic	B	English	C
Mathematics	B	Physics	D
Chemistry	C	Biology	C
Civics	B	Geography	B
History	C		

By virtue of which, this certificate is awarded, with


Araya Gifegziabher Mehari

DIRECTOR GENERAL




Abera Diriba Gemechu

Head of Examinees' Registration,
Marking and Computation Dept.

AUGUST 2012(2004 E.C.)

Distinction _____ 4 A's
Great Distinction _____ 5 A's
Very Great Distinction _____ 6 A's and above

This certificate is invalid unless
it bears the NEAEA seal on the
Photograph of the candidate.

Nº 5916076

REGION: AMHARA
TOWN: DESALE
STUDENT TRANSCRIPT



NAME Murad Mohammed Reshid

AGE 12 SEX M

DATE OF ADMISSION

2003 E.C.

DATE OF LEAVING

2004 E.C.

HE/SHE HAS RETURNED ALL SCHOOL PROPERTIES. HIS/HER BEHAVIOR IN HIS/HER STAY IN THE ACADEMY WAS (GOOD / VERY GOOD / EXCELLENT). THIS TRANSCRIPT IS GIVEN TO HIM/HER WISHING ALL THE BEST IN HIS/HER FUTURE CAREER.

NO	SUBJECTS	YEAR <u>2003 E.C.</u>			YEAR <u>2004 E.C.</u>		
		GRADE <u>9B</u>			GRADE <u>10B</u>		
		I	II	AV	I	II	AV
1	AMHARIC	52	70	63	61	52	56.5
2	ARABIC	-	-	-	-	-	-
3	ENGLISH	53	70	61.5	66	45	55.5
4	MATHEMATICS	64	52	58	45	50	47.5
5	PHYSICS	49	57	52	39	52	45.5
6	BIOLOGY	61	52	59.5	58	64	61
7	CHEMISTRY	71	56	63.5	66	67	66.5
8	HISTORY	72	68	73	74	58	71.5
9	GEOGRAPHY	53	63	58	44	60	52
10	ETHICAL EDUCATION & CIVICS	21	70	75.5	74	74	74
11	IT	-	-	-	70	65	67.5
12	H.P.E	69	80	74.5	61	71	66
13	CONDUCT						
14	TOTAL	633	644	638.5	662	653	663.5
15	AVERAGE	63.3	64.4	63.85	66.2	65.3	66.35
16	RANK	12	7	7	9	10	9

REMARK He has completed grade ten (10).

RECORD OFFICER Habsum Yami

SIGNATURE

SCHOOL PRINCIPAL'S NAME & SIGNATURE

DATE 3/1/2005



[Signature]
Akte Ayele
Aliye Samir
Comptroller
School Principal



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Federal Democratic Republic of Ethiopia
የአዲስ አበባ ከተማ አስተዳደር
Addis Ababa City Administration

Amhara National Regional State
Education Bureau

[illegible]

Day program for the 1st time X, 2nd time _____
Night program for the 1st time _____, 2nd time _____
Private _____

For Academics
1-800-833-6611

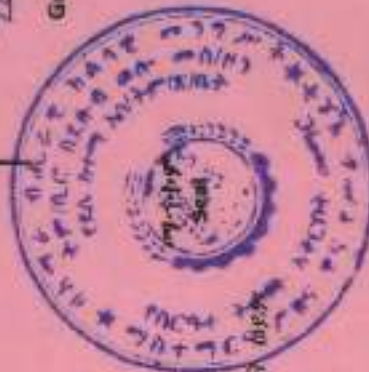
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 ቀን 2002 ዓ.ም የመጀመሪያ ደረጃ ትምህርት ማስናቀቅ ፈተና
 ስኬት/አ 71 % አማካኝ ውጤት 98.30 ፕሮሰንታጅ 98.30
 የማማከሪያ ወረዳ ደቡብ ክፍል

Adapted from

At 33W Lomana Dapuan

$2m+4n$
 $4-5n$
 $16-4n+12n+4-9$
 $4-5n+8n$
 $4+3n$

[illegible]

Name Murad Mohammed Rashed
Age 15 Sex M Reg. No. 37,844
at Fqr Academy school in South Khatla zone took the
primary school leaving certificate examination in
2002 E.C. and scored an average mark of 71 %
98.30 percentile. He/She is PROMOTED

Grade Nine.

867-740-005 (11-11-10)
Arvind Kumar Bantiwala
98-11-5 7-82-4479
Examination affairs, 7-82-4479
Implementer 98-11-5 7-82-4479

Note: Exams, alterations or absence of the phase irradiation this certificate. Put "X" to indicate whether the candidate is in day or night or partial.