



Faculté des nouvelles technologies de l'information et de la communication

## RELEVÉ DE NOTES

Année 2021/2022

Nom: KHELIFI

Prénom: AMDJED MOHAMMED SAID

Né (e) Le: 14/05/2003 à SOUK AHRAS

N° d'inscription: UN25022021212134000891

Niveau: Licence 1ère Année

Domaine: Mathématiques et Informatique

Filière: informatique

Spécialité: /

Diplôme préparé: Licence (Académique)

Unité d'enseignement (U.E)							Matière(s) constitutive(s) de l'unité d'enseignement					
Nature	Code Ue	Crédits	Coef	Moy	Crédits	Sess	Intitulé(s)	Crédits	Coef	Moy	Crédits	Sess
U.E.F	C00F0001S1	17	10.0	13,91	17	N	Initiation à l'algorithmique	6.0	4.0	13,77	6.0	N
							Analyse 1	6.0	4.0	13,00	6.0	N
							Algèbre 1	5.0	2.0	16,00	5.0	N
U.E.M	C00M0001S1	07	2.0	12,25	07	N	Terminologie scientifique et expression écrite et orale	4.0	1.0	07,50	0.0	N
							Tp bureautique	3.0	1.0	17,00	3.0	N
							Choix une matière parmi : Physique1: Mécanique du point / codage et représentation de l'information	2.0	2.0	18,67	2.0	N
U.E.D	C00D0001S1	04	4.0	16,46	04	N	Choix une matière parmi : Economie d'entreprise / Electronique, composant des systèmes	2.0	2.0	14,25	2.0	N
							Langue anglaise	2.0	1.0	18,00	2.0	N
U.E.T	C00T0001S1	02	1.0	18,00	02	N						
Moyenne du Semestre 1 :				14.56				Crédits du Semestre 1 :			30	Session: N
U.E.F	C00F0001S2	11	5.0	16,30	11	N	introduction aux probabilités et statistique descriptive	3.0	1.0	13,50	3.0	N
							Analyse 2	4.0	2.0	15,00	4.0	N
							algèbre 2	4.0	2.0	19,00	4.0	N
U.E.F	C00F0002S2	09	5.0	16,78	09	N	Structure machine	4.0	2.0	19,00	4.0	N
							programmation et structure de données	5.0	3.0	15,30	5.0	N
							Techniques de l'information et de la communication	4.0	2.0	18,50	4.0	N
U.E.M	C00M0001S2	07	3.0	17,40	07	N	Choix d'une matière: Outils de Programmation pour les mathématiques/Introduction à la programmation orientée	3.0	1.0	15,21	3.0	N
							histoire des sciences	1.0	1.0	14,00	1.0	N
U.E.T	C00T0001S2	03	3.0	16,67	03	N	physique 2 ( électricité générale )	2.0	2.0	18,00	2.0	N
Moyenne du Semestre 2 :				16.73				Crédits du Semestre 2 :			30	Session: N

N: Session Normale R: Session Rattrapage

Moyenne 15,61

Décision: Admis(e) (session normale)

Total des crédits cumulés pour l'année: 60

Total des crédits cumulés dans le cursus: 60

Le chef de département

السيد شاوي عكرونة

Le: 08-02-2024

العميدة المكلف بالدراسات

المسائل المرتبطة بالطلبة

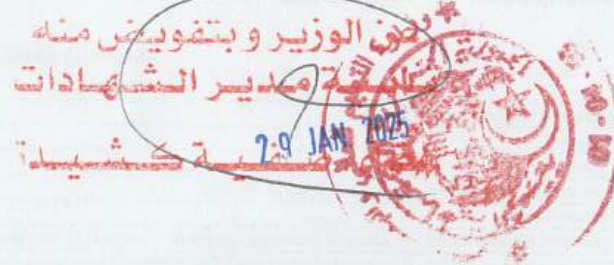


3-4

RELÈVE DE NOTES  
Authentique

Constantine le : 27 JAN. 2025

27 JAN. 2025



الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي و البحث العلمي  
تأكيد مادي على صحة إمضاء  
السيد (ة): .....  
الموقع على هذه الوثيقة  
الجزائر في : 27 JAN. 2025

27 JAN 2025  
REPUBLIQUE ALGERIENNE  
DEMOCRATIQUE ET POPULAIRE  
MINISTRE DES AFFAIRES ETRANGERES  
pour la certification  
Materielle de la signature de:  
Mr. & Mme .....  
figurant sur le présent document  
ALGER, le .....

ABDELMALEK TIROUDA  
Ministre Plénipotentiaire





Faculté des nouvelles technologies de l'information et de la communication

## RELEVÉ DE NOTES

Année 2022/2023

Nom: KHELIFI

N° d'inscription: UN25022022212134000891

Domaine: Mathématiques et Informatique

Diplôme préparé: Licence (Académique)

Filière: informatique

Prénom: AMDJED MOHAMMED SAID

Niveau: Licence 2ème Année

Spécialité: /

Né (e) Le: 14/05/2003 à SOUK AHRAS

Unité d'enseignement (U.E)							Matière(s) constitutive(s) de l'unité d'enseignement					
Nature	Code Ue	Crédits	Coef	Moy	Crédits	Sess	Intitulé(s)	Crédits	Coef	Moy	Crédits	Sess
U.E.F	C00F0001S3	15	7.0	17,67	15	N	Architecture des ordinateurs	5.0	2.0	17,60	5.0	N
							Algorithmique et structures de données	6.0	3.0	18,27	6.0	N
							Logique mathématique	4.0	2.0	16,83	4.0	N
U.E.F	C00F0002S3	13	8.0	15,73	13	N	Programmation orientée objet	5.0	3.0	16,00	5.0	N
							Théorie des langages	4.0	2.0	18,67	4.0	N
							Systèmes d'information	4.0	3.0	13,50	4.0	N
U.E.M	C00M0001S3	02	1.0	18,00	02	N	Langue étrangère 2	2.0	1.0	18,00	2.0	N
Moyenne du Semestre 3 :				16.72	Crédits du Semestre 3 :				30	Session: N		
U.E.F	C00F0001S4	13	7.0	15,88	13	N	Bases de données	4.0	2.0	11,21	4.0	N
							Génie logiciel 1	4.0	2.0	17,26	4.0	N
							Systèmes d'exploitation	5.0	3.0	18,07	5.0	N
U.E.F	C00F0002S4	13	7.0	14,39	13	N	Développement d'applications Web	4.0	2.0	09,25	0.0	N
							Théorie des graphes	4.0	2.0	16,24	4.0	N
							Réseaux de communication	5.0	3.0	16,59	5.0	N
U.E.M	C00M0001S4	04	2.0	15,13	04	N	Langue étrangère 3	2.0	1.0	17,00	2.0	N
							Aspects juridiques et économiques des logiciels	2.0	1.0	13,25	2.0	N
Moyenne du Semestre 4 :				15.13	Crédits du Semestre 4 :				30	Session: N		
N: Session Normale, R: Session Rattrapage												

Moyenne 15,93

Décision: Admis(e) (session normale)

Total des crédits cumulés pour l'année: 60

Total des crédits cumulés dans le cursus: 120

N: Session Normale R: Session Rattrapage

Le chef de département

Le: 13-02-2024

السيد شلوي علاوة  
نائب العميدة المكلف بالدراسات  
والامور المرتبطة بالطلبة



الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي و البحث العلمي  
تأكيد مادي على صحة إمضاء  
السيد (ة): .....  
الموقع على هذه الوثيقة  
الجزائر في : 29 JAN. 2025

RELEVÉ DE NOTES  
Authentique

Constantine le : 27 JAN. 2025



د. علي الوزير و بتفويض منه  
نائب مدير مديريات الشؤون  
29 JAN. 2025

REPUBLIQUE ALGERIENNE  
DEMOCRATIQUE ET POPULAIRE  
MINISTRE DES AFFAIRES ETRANGERES  
pour la certification  
Materielle de la signature de:  
Mr. & Mme .....  
figurant sur le présent document  
ALGER, le .....

ABDELMALEK TIROUDA  
Ministre Plénipotentiaire

21 SEPT 2025





## RELEVÉ DE NOTES

Année 2023/2024

Nom: KHELIFI

N°d'inscription: UN25022023212134000891

Domaine: Mathématiques et Informatique

Diplôme préparé: Licence (Académique)

Filière: informatique

Prénom: Amdjed mohammed said

Niveau: Licence 3ème Année

Spécialité: Sciences de l'informatique

Né (e) Le: 14/05/2003 à SOUK AHRAS

Unité d'enseignement (U.E)							Matière(s) constitutive(s) de l'unité d'enseignement					
Nature	Code Ue	Crédits	Coef	Moy	Crédits	Sess	Intitulé(s)	Crédits	Coef	Moy	Crédits	Sess
U.E.F	C00F0001S5	14	8.0	13,97	14	N	Génie Logiciel 2	4.0	2.0	11,43	4.0	N
							Réseaux IP	5.0	3.0	12,80	5.0	N
							Systèmes d'Exploitation 2	5.0	3.0	16,84	5.0	N
							Compilation	4.0	2.0	13,78	4.0	N
U.E.F	C00F0002S5	08	4.0	13,33	08	N	Recherche Opérationnelle	4.0	2.0	12,88	4.0	N
							Systèmes Intelligents	4.0	2.0	14,75	4.0	N
U.E.F	C00F0003S5	08	4.0	14,98	08	N	Introduction à l'Administration de bases de données	4.0	2.0	15,20	4.0	N
Moyenne du Semestre 5 :				14.06			Crédits du Semestre 5 :	30		Session: N		
U.E.F	C00F0001S6	15	3.0	14,33	15	N	Sécurité Informatique (SEC)	5.0	1.0	10,10	5.0	N
							Paradigmes de Programmation (PARA)	5.0	1.0	16,90	5.0	N
							Interfaces et Applications Mobiles (IAM)	5.0	1.0	16,00	5.0	N
							projet	15.0	3.0	18,00	15.0	N
Moyenne du Semestre 6 :				16.17			Crédits du Semestre 6 :	30		Session: N		

N: Session Normale R: Session Rattrapage

Moyenne 14,64

Décision: Admis(e) (session normale)

Total des crédits cumulés pour l'année: 60

Total des crédits cumulés dans le cursus: 180

Le chef de département

Le: 10-06-2024



RELEVÉ DE NOTES  
Authentique

Constantinois le : ..... JAN. 2025



الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي و البحث العلمي  
تأكيد مادي على صحة إمضاء  
السيد (ة) : .....  
الموقع على هذه الوثيقة  
الجزائر في : ..... 29 JAN. 2025

بني الوزير و بتفويض منه  
كاتبة مدير الشهادات  
29 JAN 2025



REPUBLIQUE ALGERIENNE  
DEMOCRATIQUE ET SOCIALISTE  
MINISTÈRE DES AFFAIRES ÉTRANGÈRES  
pour la certification  
Matérielle de la signature des  
Mr. & Mme .....  
figurant sur le présent document  
ALGER, le .....

ABDELMALEK TIROUDA  
Ministre Plénipotentiaire

21 SEP 2025



PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA  
Ministry of Higher Education and Scientific Research  
University of Constantine 2-Abdelhamid Mehri

Follows Logo of Abdelhamid Mehri  
University - Constantine 2



Faculty of New Information and Communication Technologies

TRANSCRIPT OF MARKS

Academic Year: 2021/2022

Family name: KHELIFI

Registration number: UN25022021212134000891

Course of study: Computer Science

Diploma prepared: Academic Licence (Bachelor's degree)

First name: Amdjed Mohammed Said

Level: 1<sup>st</sup> year Licence (Bachelor's degree)

Born on: May 14<sup>th</sup>, 2003

Field: Mathematics and Computer Science

in: Souk Ahras

Valid only abroad

Teaching unit (T.U)							Constituent subject(s) of the teaching unit					
Nature	TU Code	Credits	Coef	Average	Credits	Session	Title(s)	Credits	Coef	Average	Credits	Session
U.E.F	C00F0001S1	17	10.0	13,91	17	N	Introduction to algorithms	6.0	4.0	13.77	6.0	N
							Analysis 1	6.0	4.0	13.00	6.0	N
							Algebra 1	5.0	2.0	16.00	5.0	N
U.E.M	C00M0001S1	07	2.0	12,25	07	N	Scientific terminology and written and oral expression	4.0	1.0	07.50	0.0	N
							P.W office software	3.0	1.0	17.00	3.0	N
U.E.D	C00D0001S1	04	4.0	16,46	04	N	Choice of one subject: Physics 1: Point mechanics/ coding and representation of information	2.0	2.0	18.67	2.0	N
							Choice of one subject: company economics / Electronics, systems components	2.0	2.0	14.25	2.0	N
U.E.T	C00T0001S1	02	1.0	18,00	02	N	English language	2.0	1.0	18.00	2.0	N
Semester average 1:		14.56		Semester credits 1:		30		Session: N				
UEF	C00F0001S2	11	5.0	16.30	11	N	Introduction to probability and descriptive statistics	3.0	1.0	13.50	3.0	N
							Analysis 2	4.0	2.0	15.00	4.0	N
							Algebra 2	4.0	2.0	19.00	4.0	N
U.E.F	C00F0002S2	09	5.0	16,78	09	N	Machinery structure	4.0	2.0	19.00	4.0	N
							Programming and data structure	5.0	3.0	15.30	5.0	N
U.E.M	C00M0001S2	07	3.0	17,40	07	N	Information and communication techniques	4.0	2.0	18.50	4.0	N
							Choice of subject: programming tools for mathematics/ introduction to oriented programming	3.0	1.0	15.21	3.0	N
U.E.T	C00T0001S2	03	3.0	16,67	03	N	History of science	1.0	1.0	14.00	1.0	N
							Physics 2 (general electricity)	2.0	2.0	18.00	2.0	N
Semester average 2:		16.73		Semester credits 2:		30		Session: N				

Average: 15.61 Total credits accumulated for the year: 60

Decision: Admitted/normal session

Total credits accumulated in the curriculum: 60

N: Normal session R: Resit exam session

Constantine, on: 08/02/2024

The Head of Department:

Illegible signature

Followed by a stamp bearing:

The Vice Dean in charge of studies and student issues:

Mr. CHAOUI Allaoua

Plus a round seal bearing:

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research (3-4)

University of Constantine 2-Abdelhamid Mehri



CERTIFIED TRUE TRANSLATION

10 JUL. 2025

00001056



Authentications and signatures that appears at the back of this Transcript:

Authentication of the University of Constantine:

Authentic Diploma

Constantine On: 27/01/2025

Illegible signature

Followed by a stamp bearing:

The Responsible for managing the Vice Rectorate of the Higher Training in the 1st and 2nd cycle, continuous training, degrees as well as higher training in graduation: **KAOUANE Mohamed**

Plus a round seal bearing:

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research

University of Constantine 2 - 03



Valid only abroad

Authentication of the Ministry of Higher Education and Scientific Research

On: 29/01/2025.

Illegible Signature

Followed by a stamp bearing:

F/The Minister and by his delegation

The Vice director of Degrees: Signed by: Mrs. **KECHIDA Safia**

Plus a round seal bearing:

People's Democratic Republic of Algeria

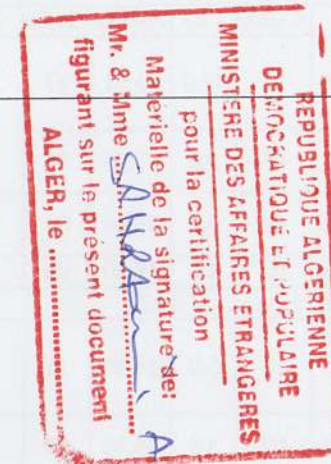
Ministry of Higher Education and Scientific Research-01-04-05

Plus a rectangular stamp bearing:

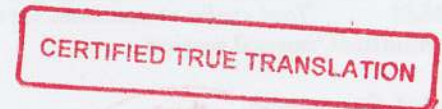
People's Democratic Republic of Algeria

Ministry of higher education and scientific research

For material certification of the authentic signature of: **Mr. KAOUANE** who signed on this document, Algiers on: 29/01/2025.



ABDELMALEK TIROUDA  
Ministre Plénipotentiaire



00001056

1.0 JUL. 2025





Faculty of New Information and Communication Technologies

## TRANSCRIPT OF MARKS

Academic Year: 2022/2023

Family name: **KHELIFI**

First name: **Amdjed Mohammed Said**

Born on: **May 14<sup>th</sup>, 2003**

in: **Souk Ahras**

Registration number: **UN25022022212134000891**

Level: **2<sup>nd</sup> Year Licence (Bachelor's degree)**

Field: **Mathematics and Computer Science**

Course of study: **Computer Science** Specialty: **//**

Diploma prepared: **Academic Licence (Bachelor's degree)**

Valid only abroad

Teaching unit (T.U)							Constituent subject(s) of the teaching unit						
Nature	TU Code	Credits	Coef	Average	Credits	Session	Title(s)	Credits	Coef	Average	Credits	Session	
U.E.F	C00F0001S3	15	7.0	17,67	15	N	Computers architecture	5.0	2.0	17.60	5.0	N	
							Algorithms and data structures	6.0	3.0	18.27	6.0	N	
							Mathematical logic	4.0	2.0	16.83	4.0	N	
U.E.F	C00F0002S3	13	8.0	15,73	13	N	Object-oriented programming	5.0	3.0	16.00	5.0	N	
							Language theory	4.0	2.0	18.67	4.0	N	
							Information systems	4.0	3.0	13.50	4.0	N	
U.E.M	C00M0001S3	02	1.0	18,00	02	N	Foreign language 2	2.0	1.0	18.00	2.0	N	
Semester average 3:				16.72		Semester credits 3:				30		Session: N	
U.E.F	C00F0001S4	13	7.0	15,88	13	N	Databases	4.0	2.0	11.21	4.0	N	
							Software engineering 1	4.0	2.0	17.26	4.0	N	
							Operating systems	5.0	3.0	18.07	5.0	N	
U.E.F	C00F0002S4	13	7.0	14,39	13	N	Web application development	4.0	2.0	09.25	0.0	N	
							Graph theory	4.0	2.0	16.24	4.0	N	
							Communication networks	5.0	3.0	16.59	5.0	N	
U.E.M	C00M0001S4	04	2.0	15,13	04	N	Foreign language 3	2.0	1.0	17.00	2.0	N	
							Legal and economic aspects of software	2.0	1.0	13.25	2.0	N	
Semester average 4:				15.13		Semester credits 4:				30		Session: N	

Average: **15.93**

Total credits accumulated for the year: **60**

Total credits accumulated in the curriculum: **120**

N: **Normal Session**

R: **Resit exam Session**

Decision: **Admitted/Normal session**

Constantine, on: **13/02/2024**

**The Head of Department:**

*Illegible signature*

*Followed by a stamp bearing:*

The Vice Dean in charge of studies and student issues:

**Mr. CHAOUI Allaoua**

*Plus a round seal bearing:*

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research (3-4)

University of Constantine 2-Abdelhamid Mehri



CERTIFIED TRUE TRANSLATION

10 JUL. 2025

00001056



Authentications and signatures that appears at the back of this Transcript:

Authentication of the University of Constantine:

Authentic Diploma

Constantine On: 27/01/2025

Illegible signature

Followed by a stamp bearing:

The Responsible for managing the Vice Rectorate of the Higher Training in the 1st and 2nd cycle, continuous training, degrees as well as higher training in graduation: **KAOUANE Mohamed**

Plus a round seal bearing:

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research

University of Constantine 2 - 03

Authentication of the Ministry of Higher Education and Scientific Research

On: 29/01/2025.

Illegible Signature

Followed by a stamp bearing:

F/The Minister and by his delegation

The Vice director of Degrees: Signed by: Mrs. **KECHIDA Safia**

Plus a round seal bearing:

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research-01-04-05

Plus a rectangular stamp bearing:

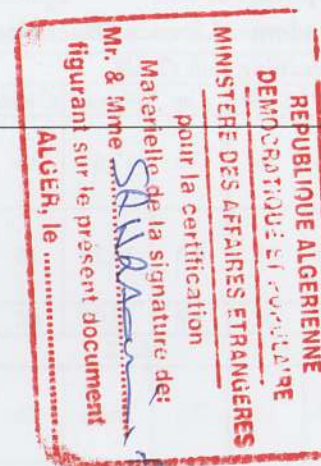
People's Democratic Republic of Algeria

Ministry of higher education and scientific research

For material certification of the authentic signature of: **Mr. KAOUANE** who signed on this document, Algiers on: 29/01/2025.



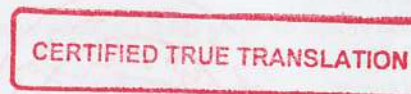
**ABDELMALEK TIROUDA**  
Ministre Plénipotentiaire



21 SEP 2025



10 JUL. 2025



00001056





Faculty of New Information and Communication Technologies  
Department of Fundamental Computer Science and its Applications

## TRANSCRIPT OF MARKS

Academic Year: 2023/2024

Family name: KHELIFI

Registration number: UN25022023212134000891

Course of study: Computer Science

Diploma prepared: Academic Licence (Bachelor degree)

First name: Amdjed Mohammed Said

Level: 3<sup>rd</sup> year Licence (Bachelor's degree)

Specialty: Sciences of computer sciences

Born on: May 14<sup>th</sup>, 2003

Field: Mathematics and Computer Science

in: Souk Ahras

Valid only abroad

Teaching unit (T.U)							Constituent subject(s) of the teaching unit					
Nature	TU Code	Credits	Coef	Average	Credits	Session	Title(s)	Credits	Coef	Average	Credits	Session
U.E.F	C00F0001S5	14	8.0	13.97	14	N	Software Engineering 2	4.0	2.0	11.43	4.0	N
							IP Networks	5.0	3.0	12.80	5.0	N
							Operating Systems 2	5.0	3.0	16.84	5.0	N
U.E.F	C00F0002S5	08	4.0	13.33	08	N	Compilation	4.0	2.0	13.78	4.0	N
							Operations Research	4.0	2.0	12.88	4.0	N
U.E.F	C00F0003S5	08	4.0	14.98	08	N	Intelligent Systems	4.0	2.0	14.75	4.0	N
							Introduction to Database Administration	4.0	2.0	15.20	4.0	N
Semester average 5 :		14.06					Semester credits 5:	30		Session: N		
U.E.F	C00F0001S6	15	3.0	14.33	15	N	Computer Security (SEC) &	5.0	1.0	10.10	5.0	N
							Programming Paradigms (PARA)	5.0	1.0	16.90	5.0	N
							Mobile Interfaces and Applications (IAM)	5.0	1.0	16.00	5.0	N
U.E.F	C00F0002S6	15	3.0	18.00	15	N	Project	15.0	3.0	18.00	15.0	N
Semester average 6 :		16.17					Semester credits 6:	30		Session: N		

Average: 14.64

Total credits accumulated for the year: 60

Total credits accumulated in the curriculum: 180

N: Normal Session

R: Resit exam Session

Decision: Admitted/Normal session

Constantine, on: 10/06/2024

The Head of Department:

Illegible signature

Followed by a stamp bearing:

The Head of Computer Science and applications Department:

BOUZENADA Mourad

Plus a round seal bearing:

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research (5-4)

University of Constantine 2-Abdelhamid Mehri



10 JUL. 2025

00001056

CERTIFIED TRUE TRANSLATION



Authentications and signatures that appears at the back of this Transcript:

Authentication of the University of Constantine:

Authentic Diploma

Constantine On: 27/01/2025

*Illegible signature*

*Followed by a stamp bearing:*

The Responsible for managing the Vice Rectorate of the Higher Training in the 1st and 2nd cycle, continuous training, degrees as well as higher training in graduation: **KAOUANE Mohamed**

*Plus a round seal bearing:*

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research

University of Constantine 2 - 03



Valid only abroad

Authentication of the Ministry of Higher Education and Scientific Research

On: 29/01/2025.

*Illegible Signature*

*Followed by a stamp bearing:*

F/The Minister and by his delegation

The Vice director of Degrees: Signed by: Mrs. **KECHIDA Safia**

*Plus a round seal bearing:*

People's Democratic Republic of Algeria

Ministry of Higher Education and Scientific Research-01-04-05

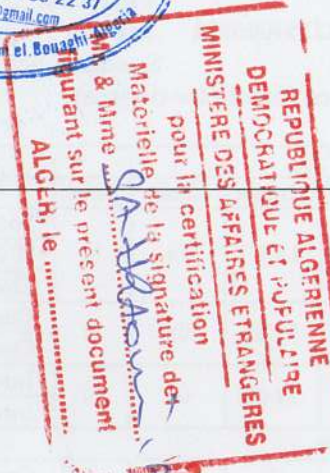
*Plus a rectangular stamp bearing:*

People's Democratic Republic of Algeria

Ministry of higher education and scientific research

For material certification of the authentic signature of: **Mr. KAOUANE** who signed on this document, Algiers on: 29/01/2025.

ABDELMALEK TIROUDA  
Ministre Plénipotentiaire



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10 JUL. 2025

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Année 2024/2025

## RELEVÉ DE NOTES

Nom: KHELIFI

Prénom: Amdjed mohammed said

Né (e) Le: 14/05/2003 à Souk Ahras

N°d'inscription: UN25022024212134000891

Niveau: Master 1

Domaine: Mathématiques et Informatique

Filière: Informatique

Spécialité: Intelligence artificielle et sciences des données

Diplôme préparé: Master Académique

Unité d'enseignement (U.E)							Matière(s) constitutive(s) de l'unité d'enseignement					
Nature	Code Ue	Crédits	Coef	Moy	Crédits	Sess	Intitulé(s)	Crédits	Coef	Moy	Crédits	Sess
U.E.F	C00F0001M_S1	18	9.0	15,04	18	N	Représentation des connaissances et raisonnement	6.0	3.0	11,12	6.0	N
							Algorithmes avancés	6.0	3.0	16,76	6.0	N
							Apprentissage automatique	6.0	3.0	17,24	6.0	N
U.E.M	C00M0001M_S1	08	4.0	17,28	08	N	Traitement statistique des données	4.0	2.0	18,00	4.0	N
							Fouille de données	4.0	2.0	16,55	4.0	N
U.E.D	C00D0001M_S1	03	2.0	16,30	03	N	Langage Python avancé	3.0	2.0	16,30	3.0	N
U.E.T	C00T0001M_S1	01	1.0	18,00	01	N	Communications et présentations	1.0	1.0	18,00	1.0	N
Moyenne du Semestre 1 :				15.94	Crédits du Semestre 1 :				30	Session: N		
U.E.F	C00F0001M_S2	18	9.0	16,61	18	N	Intelligence Artificielle Collective	6.0	3.0	14,78	6.0	N
							Traitement du langage naturel	6.0	3.0	15,45	6.0	N
							Apprentissage profond	6.0	3.0	19,60	6.0	N
U.E.M	C00M0001M_S2	08	4.0	17,60	08	N	Techniques d'optimisation	4.0	2.0	17,60	4.0	N
							Big Data et technologies associées	4.0	2.0	17,60	4.0	N
U.E.D	C00D0001M_S2	03	2.0	17,65	03	N	Introduction à la robotique mobile	3.0	2.0	17,65	3.0	N
U.E.T	C00T0001M_S2	01	1.0	17,00	01	N	Corruption et déontologie de travail	1.0	1.0	17,00	1.0	N
Moyenne du Semestre 2 :				17.01	Crédits du Semestre 2 :				30	Session: N		

Moyenne 16,43

Décision: Admis(e) (session normale)

N: Session Normale R: Session Rattrapage

Total des crédits cumulés pour l'année: 60

Total des crédits cumulés dans le cursus: 60

Le Doyen

Le: 05-11-2025





PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA  
Ministry of Higher Education and Scientific Research  
University of Oum El Bouaghi

Logo of the University Larbi Ben  
M'hidi Oum El Bouaghi



Faculty of Exact Sciences and Natural and Life Sciences  
Department of Mathematics and Computer Science

TRANSCRIPT OF MARKS

Academic year: 2024/2025

Family name: **KHELIFI** First name: **Amdjed Mohammed Said** Born on: **14/05/2003** in: **Souk Ahras**

Registration No. **UN04012024212134000891** Level: **Master 1**

Field: **Mathematics and Computer Science** Course of study: **Computer Science** Speciality: **Artificial Intelligence and Data Science**

Prepared Diploma: **Academic Master**

Valid only abroad

Teaching Unit (T.U)							Constitutive Subjects of the Teaching Unit					
Nature	Code TU	Credits	Coef	Average	Credits	Session	Entitled	Credits	Coef	Average	Credits	Session
F.T.U	C00F0001S1	18	9.0	15.04	18	N	Knowledge representation and reasoning	6.0	3.0	11.12	6.0	N
							Advanced algorithms	6.0	3.0	16.76	6.0	N
							Machine learning	6.0	3.0	17.24	6.0	N
M.T.U	C00M0002S1	08	4.0	17.28	08	N	Statistical data processing	4.0	2.0	18.00	4.0	N
							Data mining	4.0	2.0	16.55	4.0	N
D.T.U	C00D0001S1	03	2.0	16.30	03	N	Advanced Python programming language	3.0	2.0	16.30	3.0	N
U.E.T	C00T0001S1	01	1.0	18.00	01	N	Communications and presentations	1.0	1.0	18.00	1.0	N
Semester average 1:			15.94			Semester credits 1: 30					Session: N	
F.T.U	C00F0001S2	18	9.0	16.61	18	N	Collective Artificial Intelligence	6.0	3.0	14.78	0.0	N
							Natural Language Processing	6.0	3.0	15.45	6.0	N
							Deep Learning	6.0	3.0	19.60	6.0	N
M.T.U	C00M0002S2	08	4.0	17.60	08	N	Optimization Techniques	4.0	2.0	17.60	4.0	N
							Big Data and Related Technologies	4.0	2.0	17.60	4.0	N
D.T.U	C00D0001S2	03	2.0	17.65	03	N	Introduction to Mobile Robotics	3.0	2.0	17.65	3.0	N
U.E.T	C00T0001S2	01	1.0	17.00	01	N	Corruption and Workplace Ethics	1.0	1.0	17.00	1.0	N
Semester average 2:			17.01			Semester credits 2: 30					Session: N	

Average: **16.48**

Decision: **Admitted/Normal Session**

N: Normal Session

R: Resit Exam Session

Total of accumulated credits in the year: **60**

Total of accumulated credits in the curriculum: **60**

**The Dean:**

*Illegible signature*

*Followed by a stamp bearing:*

The Dean of the Faculty of Exact Sciences and Natural and Life Sciences:

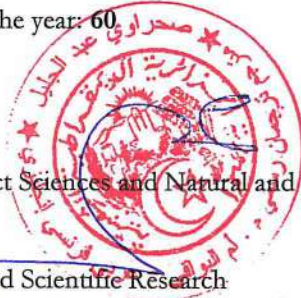
**Dr. OUSSAEIF Taki eddine**

*Plus a round seal bearing:*

Ministry of Higher Education and Scientific Research

University of Oum El Bouaghi

Faculty of Exact Sciences and Natural and Life Sciences



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On: **05/11/2025**

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07 JAN. 2026