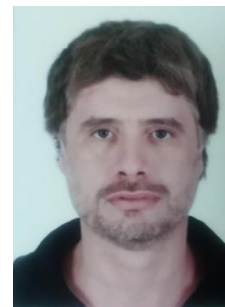


نموذج رقم (٥-ب)

CURRICULUM VITAE

A.1. Personal Data:

Name : Mohamed Mohamed Raouf Ayari محمد محمد الرؤوف العياري
Nationality : Tunisian
Date/Place of Birth : 28/01/1980, Kairouan, Tunisia
Marital Status : Married
ID Number : 2392045494
E-mail : Mohamed.ayari@nbu.edu.sa
Essam.ayari@gmail.com
Address : Faculty of Computing & IT, Northern Border
University, Rafha, Kingdom of Saudi Arabia
Phone & Mobile : +966545633591



A.2. Education:

Degree	University	Address	Date
Engineering degree in Telecommunications	University of Tunis El-Manar	National Engineering School of Tunis	19/07/2003
MSc in Telecommunications	University of Tunis El-Manar	National Engineering School of Tunis	04/07/2004
PhD in Telecommunications	University of Tunis El Manar	National Engineering School of Tunis	05/01/2010

A.3. Training Courses:

Title	Name & Addresses of Awarding Organization	Date
التدريس الاستراتيجي الفعال	عمادة تطوير التعليم الجامعي، جامعة الحدود الشمالية	١٤٣٧/٠١/٢١-٢٠ هـ
تصميم المقررات الإلكترونية باستخدام برنامج Lectora Inspire 12	عمادة التعليم الإلكتروني والتعلم عن بعد بالتعاون مع شركة أعمال الحلول المترابطة	١٤٣٧/٠٢/١٣-١١ هـ
Role of researchers in scientific publishing	عمادة البحث العلمي، جامعة الحدود الشمالية	١٤٣٩/٠٣/٢٥ هـ
ثقافة البحث والنشر العلمي النوعي وأهميته للجامعات	عمادة البحث العلمي، جامعة الحدود الشمالية	١٤٣٨/٥/٢٥ هـ
ورشة عمل حول البرامج الأكاديمية في الأمن السيبراني	الهيئة الوطنية للأمن السيبراني	29/03/2019
Azure & Modern Workplace	Microsoft	28/03/2020 – 01/04/2020
استخدام برنامج OneNote للتدريس عن بعد	لجنة مسؤولي التعليم الإلكتروني بجامعات ومؤسسات التعليم العالي بدول مجلس التعاون لدول الخليج العربية	30/11/2020
استخدام الخرائط الذهنية للتعليم عن بعد	لجنة مسؤولي التعليم الإلكتروني بجامعات ومؤسسات التعليم العالي بدول مجلس التعاون لدول الخليج العربية	٠٧/١٢/2020
كيفية الكشف عن معاملي التأثير وتصنيف المجالات الدولية باستخدام المكتبة الرقمية	عمادة شؤون المكتبات، جامعة الحدود الشمالية	٠٣/٢/2021
Workshop on How to prepare Course Specification - NCAAA	Development, quality and academic accreditation unit, FCIT	23/03/2021

البيانات ودورها في ضمان الجودة التعليمية: مؤشرات مقترحة	عمادة التعليم الإلكتروني والتعلم عن بعد جامعة الملك عبد العزيز-جدة	٣٠/03/2021
إمكانية الوصول الرقمي والتصميم الشامل للتعلم	عمادة التعليم الإلكتروني والتعلم عن بعد جامعة الملك عبد العزيز-جدة	٣٠/03/2021
ملتقى مستقبل التعلم الإلكتروني	عمادة التعليم الإلكتروني والتعلم عن بعد جامعة الملك عبد العزيز-جدة	٣٠/03/2021
Workshop on How to prepare Course report	Development, quality and academic accreditation unit, FCIT	20/09/2021
Workshop on CLOs & PLOs Assessment automation	Development, quality and academic accreditation unit, FCIT	06/10/2021
Workshop on Progress in Assessing CLOs-PLOs and Course Section Report	Development, quality and academic accreditation unit, FCIT	16/11/2021
Workshop on CLOs Assessment for course coordinator and instructor	Development, quality and academic accreditation unit, FCIT	25/01/2022
Participation in the Symposium on High Impact Educational Practices.	Deanship of Academic Development King Fahd University of Petroleum & Minerals	15-16/02/2022
Workshop on Leveraging High- Impact Practices for Effective Learning and Teaching	Deanship of Academic Development King Fahd University of Petroleum & Minerals	07/03/2022
اختيار أوعية النشر للترقية العلمية	عمادة التطوير التعليم الجامعي	٠٨/03/202٢
متطلبات التأهل للاعتماد البرامجي	عمادة التطوير التعليم الجامعي	٢٢/03/202٢
Workshop on Ensuring Assessment Leads to Learning	Deanship of Academic Development King Fahd University of Petroleum & Minerals	23/03/2022
Workshop on Eligibility Requirements for Program Accreditation	Development, quality and academic accreditation unit, FCIT	10/03/2022
Workshop on How to Write the standards section in SSR	Development, quality and academic accreditation unit, FCIT	14/04/2022
أخلاقيات البحث العلمي	عمادة التطوير الجامعي بالتعاون مع عمادة البحث العلمي	20/04/2022

A. 4. Professional Experience:

Employment Status	Institution and Address	Date
Assistant Professor, Faculty of Computing and Information Technology	Northern Border University, Rafha, Kingdom of Saudi Arabia	06/08/2015 - Present
Assistant Professor (tenure track), at ENICAR (National Engineering School of Carthage)	University of Carthage, Tunisia	Jan2010-2015
Lecturer (tenure track), at ENICAR (National Engineering School of Carthage)	University of Carthage, Tunisia.	2006-Jan2010
Teaching Assistant at National Engineering School of Tunis	University of Tunis El Manar	2005-2006
Teaching Assistant at ISETK (High Institute of Technological Studies of Kairouan-Tunisia)	University of Kairouan, Tunisia.	2003-2005

A.5. Foreign Language Skills:

	Foreign Language	Level		
		Fair	Good	V. Good
1	English			<input checked="" type="checkbox"/>
2	French			<input checked="" type="checkbox"/>

FORM B: SCIENTIFIC CONTRIBUTIONS

B.1. Papers Published in Refereed Scientific Journals

No	Author(s)	Research Title	Publisher & Date
1	Atef Gharbi, Mohamed Ayari , Abdulsamad Qassem	<i>Demand Response Control in Smart Grids</i>	Applied Sciences; <i>Accepted and will be appeared March 2023</i>
2	Khaled Kefi Mohamed Ayari Khaled Benali	<i>A Note on the $p(x)$-Curl-Systems Problem Arising in Electromagnetism</i>	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics; <i>Accepted on January 2023 and will be appeared soon</i>
3	Mohamed Ayari	<i>On the Efficiency of the Advanced TWA Approach to the 60-GHz Microstrip Antenna Analysis for 5G Wireless Communication Systems</i>	Eng. Technol. Appl. Sci. Res., vol. 13, no. 1, pp. 10151–10157, Feb. 2023. https://doi.org/10.48084/etasr.5593
4	Ahmed Alhomoud, Sajjad S. Jamal, Saleh M. Altowaijri, Mohamed Ayari , Adel R. Alharbi, Amer Aljaedi	<i>Large Field-Size Throughput/Area Accelerator for Elliptic-Curve Point Multiplication on FPGA</i>	Appl. Sci. 2023, 13(2), 869; https://doi.org/10.3390/app13020869
5	Mohamed Ayari	<i>On the Use of Non-Uniform FFT for Fast and Secure Wireless Communication</i>	International Journal of Computer Science and Network Security (IJCSNS). September, 2020. Vol. 20 No. 9 pp. 106-113. http://paper.ijcsns.org/07_book/202009/20200913.pdf 30/09/2020
6	Mohamed Ayari	<i>Smart Platform for Investigation of Log Files</i>	International Journal of Engineering Research and Applications (IJERA), Vol. 12, Issue 4, (Series-III) April 2022, pp. 01-08 http://www.ijera.com/papers/vol12no4/Ser-3/A1204030108.pdf DOI: 10.9790/9622-1204030108 April 2022
7	Mohamed Ayari , Yamen El Touati, Saleh Altowaijri	<i>Method of Moments versus Advanced Transverse Wave Approach for EM-Validation of complex microwave and RF applications</i>	Journal of Electromagnetic Engineering and Science 2020;20(1):31-38. January 2020. DOI: https://doi.org/10.26866/jees.2020.20.1.31 31/01/2020

8	Yamen El Touati, Mohamed Ayari	<i>Fault Diagnosis with Adaptive Control for Discrete Event Systems</i>	International Journal of Computer Science and Network Security (IJCSNS). Vol. 21 No. 11 pp. 165-170. November 2021. https://paper.ijcsns.org/07_book/202111/20211122.pdf 30/1/2021
9	Mohamed Ayari , Yamen El Touati, and Saleh Altowajjri	<i>Advanced Transverse Wave Approach for MM-Wave Analysis of Planar Antennas applied in 5G-Technology</i>	International Journal of Computer Science and Network Security (IJCSNS). Vol. 22 No. 1 pp. 295-299. January 2022. http://paper.ijcsns.org/07_book/202201/20220141.pdf 31/01/2022
10	Saleh Altowajjri, Mohamed Ayari , Yamen El Touati	<i>Impact of Multi-Sensor Technology for Enhancing Global Security in Closed Environments Using Cloud-Based Resources</i>	Journal of Sensor and Actuator Networks, mdpi (JSAN) 2019 , 8(1), 4; https://doi.org/10.3390/jsan8010004 . https://www.mdpi.com/2224-2708/8/1/4 01/01/2019
11	Mohamed Ayari , Yamen El Touati, and Saleh Altowajjri	<i>Mutual coupling between antennas in a periodic network using the advanced transverse wave approach for wireless applications</i>	International Journal of Advanced and Applied Sciences (IJAAS), 6(1): 99-105. http://www.science-gate.com/IJAAS/2019/V6I1/1021833ijaas20190104.html 31/01/2019
12	Yamen El Touati, Mohamed Ayari , Saleh Altowajjri	<i>Extended Time Petri Net and Hybrid Petri Net : Modeling Multi-Instance Dynamic Hybrid Systems</i>	International Journal of Computer Science and Network Security (IJCSNS). May 30, 2018. Vol. 18 No. 5 pp. 75-83. http://search.ijcsns.org/02_search/02_search_03.php?number=201805011 30/05/2018
13	Yamen El Touati, Saleh Altowajjri, Mohamed Ayari	<i>Control of Industrial Systems to Avoid Failures: Application to Electrical System</i>	International Journal of Advanced Computer Science and Applications 9(5), 2018: 465-470. (DOI) : 10.14569/IJACSA.2018.090561 30/09/2018
14	Saleh Altowajjri, Mohamed Ayari , Yamen El Touati	<i>A Novel Image Encryption Approach for Cloud Computing Applications</i>	International Journal of Advanced Computer Science and Applications (IJACSA). 12(9), 2018. http://thesai.org/Downloads/Volume9No12/Paper_62-A_Novel_Image_Encryption_Approach.pdf 31/12/2018
15	Helmi Temimi, Slimane. Adjerid, Mohamed Ayari	<i>Implementation of the Discontinuous Galerkin Method on a multi-story seismically excited building model</i>	Engineering letters: Computer science and engineering, Vol. 18 Issue 1, EL_18_1_03, February 2010. http://www.engineeringletters.com/issues_v18/issue_1/EL_18_1_03.pdf February 2010
16	Yassine Manai, Mohamed Ayari , Anis Ajengui, Saif Alhaisouni, Adnan Alahmadi, and Ayoub Alzumaya	<i>Non invasive medical analysis based on TS fuzzy control</i>	U.S. Patent Application 15/537,850 https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2016110745&fid=US206614522 Publication Number: WO/2016/110745 Publication Date: 14.07.2016 International Application No.PCT/IB2015/050124 International Filing Date: 07.01.2015

B.2. Scientific Reports and Consultation

No	Title	Institution	Date

B.3. Accomplished Scientific Research Projects:

No	Project & Date	Institution	Investigator(s)
١	مراقبة الأنظمة الصناعية لتفادي الأعطال أليا : تطبيق على المنظومة الكهربائية الدورة السادسة ١٤٣٧	جامعة الحدود الشمالية	يامن التواتي صالح التويجري محمد عياري
٢	التقارن المتبادل بين الهوائيات في الشبكة الدورية باستخدام تقنية الموجات العرضية المتقدمة للتطبيقات اللاسلكية الدورة السادسة ١٤٣٧	جامعة الحدود الشمالية	محمد عياري صالح التويجري يامن التواتي
٣	طريقة مستحدثة لتشفير الصور في مجال الحوسبة السحابية الدورة السادسة ١٤٣٧	جامعة الحدود الشمالية	صالح التويجري محمد عياري يامن التواتي
٤	العلاقة بين شبكات بيطري الزمنية الممتدة وشبكات بيطري الهجينة : نمذجة النظم الديناميكية الهجينة متعددة الفئات الدورة السابعة ١٤٣٨	جامعة الحدود الشمالية	يامن التواتي محمد عياري صالح التويجري
٥	تأثير تكنولوجيا الاستشعار المتعدد في دعم الأمن الشامل داخل بيئة مغلقة باستخدام الموارد السحابية الدورة الثامنة ١٤٣٩	جامعة الحدود الشمالية	صالح التويجري محمد عياري يامن التواتي
٦	تشخيص لحدوث الأخطاء والتحكم التكيفي لأنظمة الأحداث المنفصلة الدورة التاسعة ١٤٤٠	جامعة الحدود الشمالية	يامن التواتي محمد عياري

B.4. Conferences and Scientific Symposia:

No	Conference	Date & Place	Type of Involvement
1	Saleh Altowajjri, Mohamed Ayari and Yamen El Touati.	On the Use of Multi-Sensor Technology for Improving Soldiers' Safety and Saudi Border Security.	1st International Symposium on Land and Maritime Border Security and Safety, Saudi Arabia, October 15-19, 2017
2	Mohamed Ayari , Yamen El Touati, Saleh Altowajjri.	Towards an Efficient and Fast Image Encryption Approach to Boost Data Security Level.	3 rd International Conference on Computer, Communication and Signal Processing (ICCCSP 2019), SSN College of Engineering. 13/03/2019.
3	Mohamed Ayari	Covid-19 Centers Management System.	1st International Congress of Gerontology. Sivas, Turkey, March 18-20, 2022
4	Mohamed Ayari , Yamen El Touati, Zeineb Klai	On the Use of 2D Non-Uniform Fast Fourier Mode Transform technique for EM-Analysis of Printed Antennas	The 3rd International Conference on Green Energy and Environmental Engineering (GEEE-2016). Hammamet, Tunisia, April 23-25, 2016.

B.5. Membership of Professional Societies:

1	Master Program committee of ENICAR- Tunis
2	RCEM Company Toulouse- France
3	Order of Tunisian Engineers
4	<u>Open Researcher and Contributor ID</u>
5	Syscom Laboratory– National engineering school of Tunis, University of Tunis El Manar
6	Virginia Polytechnic Institute and State University (USA) visiting scholar

FORM C: TEACHING ACTIVITIES

List of courses taught:

No	Courses taught by the applicant	Undergraduate	Graduate
1	Multimedia I/II	<input checked="" type="checkbox"/>	
2	Data Base I/II	<input checked="" type="checkbox"/>	
3	General Data Processing I/II	<input checked="" type="checkbox"/>	
4	Computer software I/II	<input checked="" type="checkbox"/>	
5	Management of documents I/II	<input checked="" type="checkbox"/>	
6	Office procedure	<input checked="" type="checkbox"/>	
7	Conception of data processing systems I/II	<input checked="" type="checkbox"/>	
8	Web & Internet	<input checked="" type="checkbox"/>	
9	Management of documents II	<input checked="" type="checkbox"/>	
10	C/C++Programming	<input checked="" type="checkbox"/>	
11	Operating System	<input checked="" type="checkbox"/>	
12	Programming Tools	<input checked="" type="checkbox"/>	
13	Optical Communications		<input checked="" type="checkbox"/>
14	Microprocessors	<input checked="" type="checkbox"/>	
15	Logic Design	<input checked="" type="checkbox"/>	
16	Computer Architecture	<input checked="" type="checkbox"/>	
17	Real time systems		<input checked="" type="checkbox"/>
18	Metrology and security networks		<input checked="" type="checkbox"/>
19	Information security	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Information security management		<input checked="" type="checkbox"/>
21	Basics of cryptography		<input checked="" type="checkbox"/>
22	Computer Supported Cooperative Work "CSCW"		<input checked="" type="checkbox"/>
23	Introduction to Computing	<input checked="" type="checkbox"/>	
24	Computer graphics	<input checked="" type="checkbox"/>	
25	Analysis and design of algorithms	<input checked="" type="checkbox"/>	
26	Algorithms and Data structures II	<input checked="" type="checkbox"/>	
27	Introduction to IT	<input checked="" type="checkbox"/>	
28	Wireless Networks	<input checked="" type="checkbox"/>	
29	Applied Math. for Computing	<input checked="" type="checkbox"/>	
30	Data Mining and Data Warehousing	<input checked="" type="checkbox"/>	
31	Database Management Systems	<input checked="" type="checkbox"/>	
32	Graduation Project 1	<input checked="" type="checkbox"/>	
33	Graduation Project 2	<input checked="" type="checkbox"/>	

FORM D: ADMINISTRATION AND COMMITTEES ASSIGNMENT

D.1. University and Academic Committees (Membership of academic councils – Supervising graduate students – Reviewing papers – Evaluating and approving theses – Organizing conferences and workshops Etc)

No	Work and/or Activity	Date
1	Member of Implementation Committee of the Initiative (1.4.1.1): “Developing and Automating Policies for Academic Performance Evaluation of Faculty Members” لجنة تنفيذ مبادرة (1.4.1.1): "وضع سياسات لتقييم الأداء الأكاديمي لأعضاء هيئة التدريس وأتمتها"	Aug2020-now
2	Member and Rapporteur of Implementation Committee of the Initiative (1.2.3.1): “Restructuring Academic Programs in Accordance with the Standards of the National Center for Academic Accreditation and Assessment and the National Qualifications Framework” لجنة تنفيذ مبادرة (1.2.3.1): "إعادة هيكلة البرامج الأكاديمية بما يتوافق مع معايير المركز الوطني للتقويم والاعتماد الأكاديمي والإطار الوطني للمؤهلات"	Aug2020-now
3	Member of Sub-committee for structuring programs and specializations according to the technology and business administration axis الجنة الفرعية لهيكلة البرامج والتخصصات وفق محور التقنية وإدارة الاعمال	Aug2020-now
4	FCIT Academic Advising coordinator at NBU University	Jan2020-now
5	FCIT E-learning coordinator at NBU University	Jan2020-now
6	Head of FCIT Academic Advising Unit	Sep2019-now
7	Member of FCIT Academic Affairs Committee	Sep2016-now
8	Head of FCIT scientific research Unit	2018-now
9	Supervisor of General Preparation Levels (University & Faculty)- Boy section	2018-now
10	Rapporteur of IT Department	2017-now
11	Head of Academic Advising Committee in IT Department	2022-now
12	Head of Schedules and Exams Committee in IT Department	2022-now
13	Member of Higher Studies Committee in IT Department	2022-now
14	Member of Curriculum and Study Plans Committee in IT Department	2022-now
15	Head of committee for NCAAA- Standard5 “Faculty members” of IT program.	Jan 2022-now
16	Member of committee for NCAAA- Standard5 “Faculty members” of CS program.	Jan 2022-now
17	Member of committee for NCAAA- Standard5 “Faculty members” of IS program.	Jan 2022-now
18	Member of Faculty Website Committee	2018-2020
19	Member of Postgraduate Programs Creation Committee	2021-now
20	Member of FCIT Quality Supervisory Committee	Aug201 ⁹ -now
21	Member of Cyber Security Program Committee (for Applied College)	2021-now
22	Member of Cyber Security Higher Diploma Committee	2019-now
23	Supervision and evaluation of graduation projects	2015-now
24	Member of library and textbook committee	2017-2018
25	Subcommittee for quality and accreditation in IT department	2016-2019
26	Reviewer for research project in Tabuk university	2017-2018
27	Review course description in Applied College, NBU.	2020-2021
28	Review the textbook “computer skills” for preparatory deanship	2018-2019
29	Member of FCIT scientific committee for recruitment of Faculty members	Aug2020-now

D.2. Community Services:

No	Work and/or Activity	Date
1	Conducting a training entitled "Introduction to cybersecurity: Cryptography" in cooperation with ministry of Communications and Information Technology	24-28/03/2019
2	Conducting a training entitled "Cybercrimes" in cooperation with ministry of Communications and Information Technology	31/03-04/04 2019
3	Conducting a training entitled "Cybercrimes" in cooperation with Deanship of Community Service and Continuing Education	21-22/02/1441
4	Conducting a training entitled "Principles of Cybersecurity" in cooperation with Deanship of Community Service and Continuing Education	13-14/03/1441 20-21/03/1441
5	Participation as speaker in "Cybercrimes" event in cooperation with student activities committee and Cybersecurity club.	28/06/1442