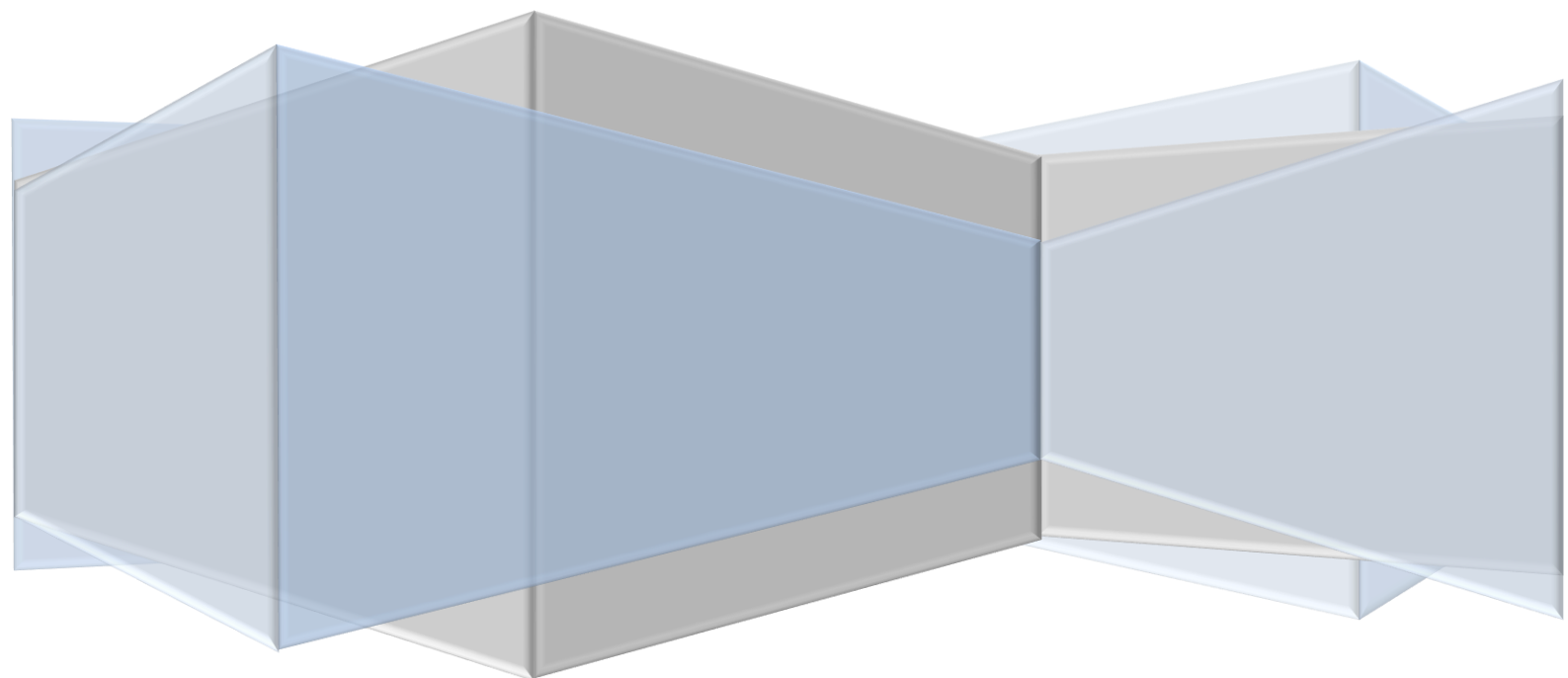




Ministry of Higher Education and Scientific Research

Documents of Quality Assurance Process

Higher Committee of Quality Assurance and Accreditation
Serwan Bamerni





Teacher Portfolio

Preface

In this section, the teacher states his/her philosophy and vision of teaching and academic lifetime.

The philosophy of undergraduate teaching and academic lifetime centers around the belief that education is not just about acquiring knowledge, but also about nurturing intellectual curiosity, critical thinking, and personal growth. It embraces the idea that undergraduate education should be a transformative experience, preparing students not only for their chosen careers but also for a lifetime of learning and engagement with the world. This philosophy emphasizes the development of core skills, such as problem-solving, communication, and collaboration, which are essential for success in any field. It also recognizes the importance of fostering a supportive and inclusive learning environment that values diversity and encourages students to explore their passions and pursue their intellectual interests.

The vision for undergraduate teaching and academic lifetime is to empower students to become lifelong learners, equipped with the knowledge, skills, and ethical values necessary to contribute meaningfully to society, adapt to a rapidly changing world, and lead fulfilling lives. It encourages students to embrace intellectual curiosity, embrace interdisciplinary approaches, and cultivate a spirit of innovation and creativity. Ultimately, the goal is to inspire students to become active participants in their own education and to make a positive impact in their communities and beyond.

Part one: Personal information and academic background

Personal information	
Full Name	Serwan Ali Mohammed
Academic title	Lecturer
When did you start teaching	2003
Number of years working as a university teacher	22
University	University of Duhok
Faculty/ College	College of Engineering
Department	Electrical and Computer

Education and academic certificates				
Certificate	Specialization/ department	University	Country	Year granted
Bachelors	Electrical	Baghdad University	Iraq	1997
High diploma				
Master	Solid state electronic	University of Technology	Iraq	2002
PhD	Electronic	Duhok University	Iraq	2018

Academic Scientific title				
Academic Scientific title	Year granted	Place	Country	No of papers accomplished for this title
Assistant lecturer	2002	University of Technology	Iraq	MSc thesis
Lecturer	2018	Duhok University	Iraq	Ph.D. thesis
Assistant professor				
Professor				

Language qualification					
Language	Mother tongue	Very good	Good	Average	Do not know
Kurdish	✓				
Arabic		✓			
English			✓		
Others (...)					

Computer: list these software programmes that you use. This section does not include knowledge of e.g. Microsoft office.

Software	Level of use			
	Professional	Very good	Good	Average
MatLab		✓		
Multisim		✓		
ISE			✓	
Microsoft Office (Word, PowerPoint, Excel)	✓			

Part two: Teaching and examinations: a copy of lesson timetable and course book should be attached

Undergraduate				
	Department	Stage	No of hours per week	No of students
1	Electrical Circuits I	First	3 the. + 2 Pra	70
2	Electrical Circuits II	First	3 the. + 2 Pra	70
3				

Postgraduate (High diploma, Master, Doctorate)				
	Subject	Level of postgraduate	No of hours per week	No of students
1	Computer Applications	Master (Civil and Mechanical Engineering)	3	7
2				

Supervising postgraduate students					
	Research title	Department	Level of postgraduate	Start date	End date
1	Classification of ECG signals using CNN deep learning	Electrical and Computer Department	PhD.	16/5/2024	
2	Brain Tumor Segmentation of MRI Images Based on Deep Learning and Optimization Algorithm	Electrical and Computer Department	MSc.	15/10/2024	
3	Analysis and Simulation of Fronthaul Cloud Radio Access Network (C-RAN) Based on Optical Fiber System for Next Generation	Electrical and Computer Department	MSc.	15/10/2024	

Defending sessions of postgraduate students					
	Name of postgraduate candidate	Department/ college/ faculty	University	Degree	Date of discussion
1					
2					
3					
4					

Part three: Participation in developing the university through membership in committees in connection to the Ministry of Higher Education, university, faculty/ college or department.

Committee membership				
	Committee	Place of issuing the committee official document	Issue No and date	Duties of the committee
1	لژنا زانستی	ECE department	No. 1/1447 Date: 8/10/2024	
2	لژنا خواندنا بلند	ECE department	No. 1/1445 Date: 8/10/2024	
3	لژنا ئەزموونا	ECE department	No. 1/1444 Date: 8/10/2028	
4	لژنا بولونا	ECE department	No. 1/2446 Date: 8/10/2024	
5	لژنا سار ریبورت	ECE department	No. 470 Date: 30/9/2024	
٦	لژنا بېشقه برنا به رنامین خواندنی	ECE department	No. 470 Date: 30/09/2024	
٧	هه لسه نگاندا پرۆبۆزه لی ماسته ری	ECE department	No. 490 Date: 06/10/2024	
٨	هه لسه نگاندا پرۆبۆزه لی ماسته ری	ECE department	No. 506 Date: 06/10/2024	
٩	لژنا هه لسه نگاندا بېشقه چونا قوتایی دکتورایی	ECE department	No. 582 Date: 09/12/2024	
١٠	لژنا هه لسه نگاندا بېشقه چونا قوتایی دکتورایی	ECE department	No. 587 Date: 09/12/2024	
١١	لژنا هه لسه نگاندا بېشقه چونا قوتایی دکتورایی	ECE department	No. 586 Date: 09/12/2024	
١٢	لژنا هه لسه نگاندا بېشقه چونا قوتایی دکتورایی	ECE department	No. 580 Date: 09/12/2024	

١٣	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 728 Date: 15/5/2024	
١٤	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 734 Date: 18/5/2024	
١٥	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 736 Date: 26/5/2024	
١٦	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 737 Date: 26/5/2024	
١٧	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 740 Date: 26/5/2024	
١٨	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 744 Date: 28/5/2024	
١٩	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 745 Date: 28/5/2024	
٢٠	لژنا هه لسه نگاندا پيشقه چوونا قوتايي ماستري	ECE department	No. 746 Date: 28/5/2024	
٢١	لژنا گه نكه شكرنا مه شقا قوتاييان (Internship)	ECE department	No. 438 Date: 30/07/2024	
٢٢	بوردي كوليژا نه ندياري	College of Engineering	No. 1 Date: 05/05/2025	
٢٣	بوردي كوليژا نه ندياري	College of Engineering	No. 5 Date: 17/03/2025	
٢٤	بوردي كوليژا نه ندياري	College of Engineering	No. 3 Date: 14/01/2025	
٢٥	بوردي كوليژا نه ندياري	College of Engineering	No. 2 Date: 06/01/2025	
٢٦	بوردي كوليژا نه ندياري	College of Engineering	No. 2 Date: 04/11/2025	
٢٧	بوردي كوليژا نه ندياري	College of Engineering	No. 1 Date: 19/9/2025	
٢٨	بوردي كوليژا نه ندياري	College of Engineering	No. 7 Date: 09/07/2025	
٢٩	هه لسه نگاندا پروپوزه لي ماستري	ECE department	No. 502 Date: 06/10/2024	
٣٠	هه لسه نگاندا پروپوزه لي ماستري	ECE department	No. 494 Date: 06/10/2024	
٣١	هه لسه نگاندا پروپوزه لي ماستري	ECE department	No. 496 Date: 06/10/2024	
٣٢	لژنا چافپيکه فتني دگه ل بيشكيشكارين خواندا سپلت سايت	ECE department	No. 456 Date: 10/09/2024	
٣٣	لژنا چافپيکه فتني دگه ل بيشكيشكارين خواندا سپلت سايت	ECE department	No. 457 Date: 10/09/2024	
	لژنا چافپيکه فتني دگه ل بيشكيشكارين خواندا سپلت سايت	ECE department	No. 458 Date: 10/09/2024	

Administrative and academic positions				
	Position	Place	Issue No and date	Roles and duties
1	Head of the department	ECE department	فەرمانا زانكو ژماره (۱۵۳) ۲۰۲۲/۳/۱۳ ل	
2				
3				

Appreciation letters			
	Place	Issue No and date Roles and duties	Reason
1	سەرۆكاتيا زانكوييا دهوك	No. 1682 Date: 19/12/2023	سوپاسنامه بو ئاندامين ليژنا ته زمونوا ل كوليژا ته نذازياري بو سالا خواندني (2023 - 2024)
2	سەرۆكاتيا زانكوييا دهوك	No. 1661 Date: 10/02/2025	سوپاسنامه بو ماموستايين بهرزترين خال بدهستخوفه ئينايين ل بروسيسا دنبايي جوري بو سالا خواندني (2023 - 2024)
3			
4			

Part four: Continuous Academic Development (this includes the current academic calendar only; activities of previous years should not be included)

1- Papers published

Papers published in local journals				
	Title of paper	Journal	Impact Factor	Place
1				
2				
3				
Papers published in international journals				
	Title of paper	Journal	Impact Factor	Place
1				
2				
3				
Papers published in local conferences				
	Title of paper	Conference	Place	Date
1				

2				
3				
Papers published in regional conferences				
	Title of paper	Conference	Place	Date
1				
2				
3				
Papers published in international conferences				
	Title of paper	Conference	Place	Date
1				
2				
3				
Membership at editing board of local academic journals				
	Journal	Date	Place	Impact Factor
1				
2				
3				
Membership at editing board of international academic journals				
	Journal	Date	Place	Impact Factor
1				
2				
3				

Peer review for local journals				
	Title of paper	Journal	Date	Impact Factor
1				
2				
3				

Peer review for international journals				
	Title of paper	Journal	Date	Impact Factor
1	Developing Distance Protection Scheme for Double Circuit Transmission Lines Integrated into Wind Ene	ICOASE2025 Conference	13-05-2025	
2	Design and Optimization of Class F Power Amplifier for 5G NR Applications	ICOASE2025 Conference	25-05-2025	
3	Low Power Consumption Noiseless CMOS Amplifier for ECG Wearable Device Application	ICOASE2025 Conference	13-04-2025	
4	Reliability Indices Assessment of Distribution Feeders: Raparin Substation as a Case Study	ICOASE2025 Conference	13-05-2025	

5	Classifying Congenital Brain Anomalies Using Deep Learning Enabled Hunter-Squirrel Search Optimization	Australian Journal of Electrical & Electronics Engineering	28-12-2024	CiteScore:2.6
6	IoT-based Lung Cancer Detection using Deep Maxout Network and Walruses Political Optimization-Based Routing Algorithm	Australian Journal of Electrical & Electronics Engineering	12-11-2024	CiteScore:2.6
7	SPFHN: Spinal Pyramid Forward Harmonic Network for Mental Health Prediction	Australian Journal of Electrical & Electronics Engineering	01-02-2025	CiteScore:2.6
8	Spinal PMDMNN: A new blockchain-based IOT Network for healthcare classification	Australian Journal of Electrical & Electronics Engineering	28-12-2024	CiteScore:2.6
9	COVID-19 Classification Using CT Images with Dense Cascade Neuro-Fuzzy Network	Australian Journal of Electrical & Electronics Engineering	28-12-2024	CiteScore:2.6
10	A Novel Wavelet-base Algorithm for Reconstruction of the Time-Domain Impulse Response from Band-limited Scattering Parameters with Applications	International Journal of Circuit Theory and Applications	27-12-2024	Impact factor:1.8
11	An Optimized FPGA Implementation of the OMP Algorithm	Circuits, Systems, and Signal Processing	08-03-2025	Impact factor:1.8
12	UNetDeblur: Optimized Lightweight and Efficient Motion Deblurring for Mobile Platforms in real-time scenarios	Circuits, Systems, and Signal Processing	22-04-2025	Impact factor:1.8
13	CMANC Net: Fennec Fox Optimized CNN-BiLSTM Network for Real time and Complex Multitude Active Noise cancellation	Circuits, Systems, and Signal Processing	28-05-2025	Impact factor:1.8
14	Design of Moore FSM Sequence Detector with Improved Speed in Memory Access Control using System Verilog	Circuits, Systems, and Signal Processing	01-01-2025	Impact factor:1.8
15	Enhancing Human Action Recognition through Transfer Learning and Body Articulation Analysis	Circuits, Systems, and Signal Processing	26-12-2025	Impact factor:1.8
16	Optimization of PPN technique on 8T-SRAM for efficient image processing applications	Circuits, Systems, and Signal Processing	21-06-2024	Impact factor:1.8
Peer review for the purpose of academic promotion				
	Title of paper	Name of researcher	Evaluation date	Note
1				
2				

3				
4				
Patent certificates				
	Project	Place	Field	Note
1				
2				
3				
4				

2- Scientific and academic books

Books (including translated ones) at local level						
	Title of book (as in its original language)	Language of writing	Place of publication	ISBN	Year	Note
1						
2						
3						
4						
5						
Books (including translated ones) at international level						
1						
2						
3						
4						

3- Presentations

International keynote speeches and seminars				
	Title of speech/ seminar	Place/ city/ country	Date of presentation	Name of conference
1				
2				
3				
4				
Local keynote speeches or seminars				
	Title of speech/ seminar	Place/ city/ country	Date of presentation	Name of conference
1				
2				



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3				
10				

4- Attendance at seminars

Attending seminars at department/ college/ faculty				
	Title of seminar	Place	Date of presentation	Note
1	18 Seminars were attended available in the "CAD => Attending a Seminar" section in EUMS Personal Profile			
2				
3				

5- Participation in workshops

Local workshops				
	Title of workshop	Place	Date	No of days
1	Engineering Design day	Conference Hall	21 – 22-05-2025	2
2	Assessment and Evaluation of Engineering Courses and Student Learning Outcomes	Civil Department	24-06-2024	1
3	سى سائيا بكارثينا سىستهمى ئەلكترىنىي رىفەبرنا زانكۇيا دھوك	Conference Hall	07-01-2025	1
4	National Accreditation for Engineering Education	Culture Centre	08-08-2024	1
5	Recent Techniques in BioMedical Engineering Symposium	Conference Hall	10-11-2024	1
Regional workshops				
1				
2				
3				
4				
5				
International workshops				
1				
2				
3				
4				
5				

6- Training courses

Local training courses				
	Title of training	Place	Date	No of days
1				
2				
3				
4				
5				
Regional training courses				
1				
2				
3				
4				
5				
International training courses				
1				
2				
3				
4				
5				

7- Organizing or teaching at seminars and workshops

Organizational/teaching roles at local workshops/training				
	Title of training	Place	Date	No of days
1	Where we are now: ECE Department Course Evaluation and Comparison with Analogous Departments	ECE Department	16 – 17-12-2024	2
2				
3				
4				
5				
Organizational/ teaching roles at international workshops/ trainings				
1				
2				
3				
4				

8- General activities

Publishing articles at newspapers and magazines				
	Title of article	Title of newspaper/ magazines	Date of publication	Place of publication of the newspaper/ magazine
1				
2				
3				
4				
5				
General seminars				
	Title of seminar	Place	Date	Note
1				
2				
3				
4				
5				
Press interviews (TV, newspapers and magazines, radio, websites)				
	Main subject	Channel	Place	Note
1				
2				
3				
4				
5				

9- Participating or organizing projects with private sector, community and outside university that serve the process of education and learning

List these projects that strengthen the relation between university and private sector and community as well as these projects related to students' trainings such as entrepreneurship.

	Project title	Date	Place	Start date	End date
1					
2					
3					
4					

10- Volunteering work

List these volunteering activities conducted with civil organizations, non-profit organizations and syndicates, as well as free consultation work.

	Title of activity	Place	Date	Note
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

First Semester

01:30 - 02:30	12:30 - 01:30	11:30 - 12:30	10:30 - 11:30	09:30 - 10:30	08:30 - 09:30	روژ (اليوم)
Office Hour	Office Hour	Office Hour	اشراف طالب ماجستير (بهمن كاظم)		Electrical Circuit I	نيك شه مب
Office Hour	Office Hour	Office Hour	Office Hour	Office Hour	Office Hour	دوو شه مب
Office Hour	Electrical Circuit I	Office Hour	اشراف طالب دكتوراه (شيلان كمال)			سى شه مب
Office Hour	Office Hour	Office Hour	Electrical Circuit I	اشراف طالب ماجستير (محمد عبد الرحمن)		چوار شه مب
Office Hour	Office Hour	Office Hour	Office Hour	Office Hour	Electrical Circuit I	پنج شه مب

Second Semester

01:30 - 02:30	12:30 - 01:30	11:30 - 12:30	10:30 - 11:30	09:30 - 10:30	08:30 - 09:30	روژ (اليوم)
Electrical Circuit II	Office Hour	Electrical circuit II	اشراف طالب ماجستير (بهمن كاظم)		Office Hour	نيك شه مب
Office Hour	Office Hour	Office Hour	Office Hour	Office Hour	Office Hour	دوو شه مب
Image Processing			اشراف طالب دكتوراه (شيلان كمال)			سى شه مب
Office Hour	Office Hour	Electrical circuit II	Office Hour	اشراف طالب ماجستير (محمد عبد الرحمن)		چوار شه مب
Office Hour	Office Hour	Office Hour	Office Hour	Office Hour	Electrical Circuit II	پنج شه مب