Academic Curriculum Vitae

Personal Information:

Full Name: Bnar Faisal A. Daham
Academic Title: Lecturer
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Education:

- 2002 – 2006 Bachelor – College of Engineering / Salahaddin University - Erbil
- 2006 – 2009 Master – College of Engineering / Salahaddin University - Erbil

Employment:

- 2/5/2009 - till now employee at Software & Informatics Department / College of Engineering / Salahaddin University – Erbil

Employment experience:

- 2010 – 2018 Assistant lecturer in Software Engineering Department / College of Engineering / Salahaddin University.
- 2018 – To date lecturer in Software Engineering Department / College of Engineering / Salahaddin University.

Teaching experience:

Undergraduate

- **Web Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Data Structure.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

- **C++ Programming.** Electrical Department / College of Engineering / Salahaddin University - Erbil
- **Network Principles.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Network Switching & Routing.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Web Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Logic Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Digital System Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Computer Architecture.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

Postgraduate – High diploma

- 2020 – 2021 **Advanced Data Structure**. Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- 2023 – 2024 **Computer Network**. Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- 2023 – 2024 **Data Structure**. Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

Lab Supervision

- **Web Programming.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Data Structure.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **C++ Programming.** Electrical Department / College of Engineering / Salahaddin University - Erbil
- **Network Principles.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Network Switching & Routing.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Web Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Logic Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil

- **Digital System Design.** Software & Informatics Department / College of Engineering / Salahaddin University - Erbil
- **Computer Architecture.** Software & Informatics Department / College of Engineering / Salahaddin University – Erbil

Supervision of Final Year Projects:
- Implementation of Client-Server Chat Application in Java.
- Absences Management System.
- Implementation of Wireless Network Monitoring System.
- System for Teacher's Portfolio and its Annual Assessment.
- Design a Web Database Application for Medical Laboratory.
- Teacher-Student Data Link System (TSDLS).
- Designing a Web Database Application for Outfits Store.
- Design and Implement a Web Database Application for Markets – Suppliers Trading.
- Kurds IT Freelancer Website.
- Presenting Hadiths in an Organized Web-Based System
- Network Modeling and Simulation for A New Residential Complex: Administration and Security

Research and publications

Publications:

1. Ismaeel A., Adham S., Daham B., "**TCP Performance for Kurd Messenger Application Using Bio-computing**", ZANCO Journal of Pure and Applied Sciences ZJPAS, vol. 21, no. 2, 2008.

2. Bnar Faisal A. Daham, Mohammed N. Mohammed, Kanar Sh. Mohammed, "**Modified Harmony Search Algorithm for Solving the Four-Color Mapping Problem** ", International Journal of Computer Applications (0975 – 8887) Volume 91 – No.6, April 2014.

3. Bnar Faisal A. Daham, Mohammed Nasseh Mohammed, Kanar Shukr Mohammed, "**Parameter Controlled Harmony Search Algorithm for Solving the Four-Color Mapping Problem** ", International Journal of Computer and Information Technology (ISSN: 2279 – 0764) Volume 03 – Issue 06, No. 31, November 2014.

4. Mohammed Nasseh Mohammed, Bnar Faisal A. Daham, Kanar Shukr Mohammed, "**Darbandikhan Reservoir Operation Optimization Using Ant Colony Optimization Algorithm**", ZANCO Journal of Pure and Applied Sciences ZJPAS, 30(1), June 2018.

5. Kanar Shukr Mohammed, Dr. Moayad Y. Potrus, Bnar Faisal A. Daham, "**Effect of Hybrid Teaching Methodology and Student Group Policy on Object Oriented Problem Solving**", ZANCO Journal of Pure and Applied Sciences ZJPAS, 30 (5), 140-148, October 2018.

6. Bnar Faisal A. Daham, Mohammed Nasseh Mohammed, Kanar Shukr Mohammed, " **Modified Deterministic Parameter Controlled Harmony Search Algorithm to Solve 4-Color Mapping Problem**", ZANCO Journal of Pure and Applied Sciences ZJPAS, 30 (6), 1-7, December 2018.

Conferences and courses attended

- Taking a course in methods of teaching, 2010.
- (General Data Protection Regulation) training course 2022.
- First conference on Water and Energy in Kurdistan, challenges and Alternatives on 14th – 15th May 2017, presented a paper, "**Darbandikhan Reservoir Operation Optimization Using Ant Colony Optimization Algorithm**".

Professional memberships

- Member in Kurdistan Engineers Union Erbil.
- Member in Kurdistan Teachers Union Erbil.

Professional Social Network Accounts:

- SUE Academics: https://academics.su.edu.krd/bnar.abdulrahman/
- ResearchGate: https://www.researchgate.net/profile/Bnar-Daham
- Google Scholar: https://scholar.google.com/citations?user=6dFNO7YAAAAJ&hl=en
- LinkedIn: https://www.linkedin.com/in/bnar-faisal-a-daham-902572186/
- Academia: https://independent.academia.edu/BnarDaham
- ORCID: https://orcid.org/my-orcid?orcid=0009-0009-2576-0181