

Personal Information

Name	Mohammad Mahdi Shahbazi
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Education

Degree	Field of Study	University	Year
B.Sc.	Civil Engineering	University of Zanjan	2004
M.Sc.	Structural Engineering	University of Zanjan	2007
Ph.D.	Construction Engineering and Management	Iran University of Science and Technology	2018

Research Interests

- Project Management Information Systems (PMIS)
- Internet of Things (IoT)
- Information Analytics

Ph.D. Dissertation and M.Sc. Theses

Title	Degree
Development of a BIM-Based Hybrid Multi-Criteria Decision-Making Model for Balancing Time, Cost, and Quality of Non-Structural Building Components	Ph.D.
Validation of AI Language Models in Understanding Specialized Concepts in Civil Engineering	M.Sc.
Development and Localization of a Knowledge Graph for Disaster Management to Support Damage Assessment and Reconstruction Using Artificial Intelligence	M.Sc.
Supporting the Development of an Integrated Disaster Management Model and Enhancing Safety Through IoT-Based On-Site Early Warning Systems	M.Sc.
Optimization of Energy Consumption in Educational and Administrative Buildings Using Time-Scheduled Data and Internet of Things (IoT) Technology	M.Sc.

Technology Projects

Project	Role	Status
Design and Development of a Portfolio Management System for Oil and Gas Research and Technology Projects	Project Lead	Ongoing
Design and Development of an Intelligent Cost Estimation System for Oil and Gas Projects	Project Lead	Completed
Design and Development of a Decision Support System for Road Pavement Maintenance Management	Project Lead	Ongoing
Intelligent Management of Social Responsibility Projects in the Oil and Gas Sector	Project Lead	Ongoing
Design of an Intelligent System for Checking BIM Model Compliance with General Building Requirements	Project Team Member	Completed
Redesign of Operational and Information Processes for Social Projects of the National Iranian Oil Company	Project Lead	Completed
Design, Implementation, and Deployment of a Knowledge Management System for Financial Institutions	Project Lead	Completed
Development of a System and Integration of 2D and 3D Spatial and Attribute Databases for Gas Pipeline Construction Processes	Project Team Member	Completed
Design and Development of a Task and Commitment Management System	Project Lead	Completed
Design and Development of an Intelligent Production Management and Planning System	Project Lead	Ongoing
Design of a BIM-Based Hospital Equipment Maintenance Management System	Project Team Member	Completed
Design of an Integrated Budget Management System for Sustainability Projects of Downstream Companies of the Ministry of Petroleum	Project Lead	Completed
Design of a Progress Monitoring System for Oil Well Drilling Projects	Project Team Member	Completed
Design of a Project Management System for Food Manufacturing Plant Construction Using Lean Management Principles	Project Team Member	Completed

Project	Role	Status
Design of an Optimized Project Scheduling Software Considering the Effects of Inflation and Resource Constraints	Project Team Member	Completed