CANDIDATES FOR MASTER'S DEGREES

College of Engineering

Biomedical Engineering

Nour Hussein Ali
Mental Stress Assessment Using Physiological Data and Deep Learning

Khaled Ahmad Armouch Al Refaai
The Theranostic Properties of Microbubbles and eLiposomes

Maryam Khalid Bin Hammad
Removal of Ciprofloxacin from Pharmaceutical Wastewater Using White Eggshells as Biosorbents

Anas Chaari
Enhanced Brain Source Localization Using Multimodal Signal Fusion of fNIRS and EEG Data

Sedigheh Hossein Hatami
Using Acoustic Waves to Release Calcein from Targeted Liposomes

Atena Mohammedridha Mohamed Yaramiree
Comparing the Synthesis of WZB117 Conjugated Liposomes Using Thin Film Hydration and Microfluidics

M. Nour Ahmad Zakzak
Microfluidic Platform for Assessing Cellular Uptake of Liposome in Different Microchannel Geometries

Chemical Engineering

Lily Tariq Alshanti
Nanoparticle-Enhanced Ionic Liquids for Thermal Energy Storage

Fatma Fuad El Sheibany
NIR-Stimulated Drug Release from DOX-Loaded Liposomes: Combining with Rose Bengal for Enhanced Effect

Iffat Fatima
Self-Humidified PVDF Composite Membranes for PEM Fuel Cells

Mohamed Abdalla Omar
Enhanced Algae Growth and its Performance

Syed Farzan Ali Shah
CNT-Enhanced PVDF Membrane with Polyphenol Surface Functionalization for Treatment of Produced Water

Civil Engineering

Husaen Abdulla Abdulghafour
Utilization of AI to Predict Shear Strength Parameters of Soil Based on Their Physical Properties

Ibrahim Wasef Abu Laila
Effect of Cross-Bracing Configuration on the Lateral Live Load Distribution in Steel Girder Bridges

Moustafa Ahmad Al Bezaz
Development of 3D Geopolymer Concrete

Bashar Moh'd Adnan Al-Momani
Using FRCM on Pre-Damaged Structures

Asem Mahmoud Al-Quran
Stress-Strain Model for Recycled Concrete Confined By Structural Steel Pipe

Doha Adnan El Maoued
P-M Behavior of UHP-ECC Concrete Circular Columns with GFRP Bars and Hoops

Monia Najib Gharzeldeen
Behavior of Ultra-High Performance Concrete Slabs under Fire Exposure

Mouhamad Walid Mouhamad Bassel Raslan
Strengthening of Lightweight Hollow-Core Slabs With and Without Fibers

Haya Abdel Hadi Zuaiter
P-M Behavior of UHP-ECC Circular Columns with GFRP Bars and Spirals

Computer Engineering

Ragad Moustafa Ahmed
Developing Privacy Frameworks for Motion Sensor Data in Next-Generation Wearable Devices

Muhammad Hannan Akhtar
Efficient Spatiotemporal Feature Extraction for Real-Time Video Anomaly Detection with Deep Learning

Omar Ahmad Alsarookh
Explainable Machine Learning for Breast Cancer Risk Prediction from Questionnaires

Construction Management

Shaikha Abdalla Alzaabi
Life Cycle Approach to Sustainable Use of Steel in Buildings

Mahmoud Mousa Issa
Smart Contracts Application in Construction Management

Abdallah Haitham Rabah
Comparative Assessment of Environmental Sustainability for Different Water Distribution Networks

Leena Mohammad Tatan
Evaluating Bioplastics as a Sustainable Alternative in Construction Materials: A Lifecycle Assessment

Electrical Engineering

Syed Zahid Abbas
Development of a 60 GHz Millimeter-Wave Energy Harvester Circuit with Frequency Diverse Array Direct

Nasser Rashed Aldarmaki
Strategic Resource Allocation for Clean Energy Transition in the UAE

Muhammad Saad Khalil Khan
Performance Analysis of Bifacial PV System Under Varying Tilt Angles in Desert Climate

Engineering Systems Management

Issra Mohamed Abdelwahid
SVM-Based Control Chart for Quality 4.0

Azza Abdulla Al-Ali
Optimizing Fleet Charging of Electrical Vehicles

Yusur Khalid Yaseen Al-Mnaseer
AI-Driven Scheduling for Optimizing Resource Allocation in Healthcare Facilities

Alya Mohamed Alshamsi
Development of Photothermal Membrane for Water Desalination Using Low-Cost Carbon Nanoparticles

Mohammad Sharif Saifollah Armaghan
Improving Energy Efficiency and Cost-Effectiveness of Building-Integrated Wind Turbines

Fatma Hammoud
Optimizing the Removal of Micropollutants from Wastewater Using MOF

Rahaf Adel Haroun
The Supplier Selection Certification in the Era of Digital Technologies

Mohammed Irfan Navas
Wind Turbine Energy on Vehicles

Nada Omar Shadid
Optimizing Waste Management With Artificial Intelligence Tools

Mechanical Engineering

Abdallah A. M. Abushahla
Thermal Diffusivity Estimation in Metallic Alloys Using One-Dimensional Non-Contact Thermography

Assem Mohamed Ahmed
Characterization of Titanium Alloy Manufactured by Stir Friction Additive Manufacturing

Shaha Y. A. A. H. Alkandari
Sustainability Assessment of Automated Composite Layup Manufacturing Processes

Zakaria Yahya Saibaa
Static and Dynamic Analysis of Electrostatically Actuated MEMS Shallow Arches

Machine Learning

Raghad Mhd Yahia Aldamani
Minimizing Urban Clutter Using Variational Autoencoders: A Latent Space Optimization Approach

Arwa Hesham Bayoumy
Generating 3D Images From 2D X-rays

Lujain Osama Khalil
Theoretical Bounds for the Evolution of Separation Fuzziness in Neural Network Training

Dara Masoud Varam
Enabling Extreme Model Compression Through Multi-Objective Optimization

Mechatronics Engineering

Mostafa Yasser Aboelnaga
Enhanced Adaptive Choice of Process Noise in Kalman Filters Using Measurement Proxies for Vehicular Applications

Fatma Ali Alfalasi