## Basic Information :

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| **Name :** | Nermin Mohamed Fawzy Mahmoud Salem |
| **Title :** | Lecturer |

Eng. Nermin M.Fawzy Salem is a lecturer assistant at the Faculty of Engineering Future University. Cairo, she received her masters' degree from Faculty of Engineering Ain Shams University and is currently teaching the courses of (Microprocessors, Microcontroller, Computer Organization and Digital Logic) for the students of electrical and mechanical engineering. A strong advocate for hands-on, inquiry-based learning, she involves her students in a variety of community service, problem-solving, and technology-infused activities that provide them with opportunities to use their knowledge to help others. Her professional interests focus on communicative approaches, thematic planning, and cooperative learning. She was recently honored From Future University for getting her masters' degree.

## Education:

| Certificate | Major | University | Year |
|---|---|---|---|
| PhD | electrical engineering | | 2021 |
| Masters | | | 2013 |
| Bachelor | | | 2006 |

## Teaching Experience:

| Name Of Organization | Position | From Date | To Date |
|---|---|---|---|
| FUE | Lecturer | 15/02/2007 | Current |

## Researches / Publications :

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| Physics-informed reinforcement learning for supercapacitor parameter estimation across charging and discharging intervals |
| Short-term discharge-based state of health estimation of lithium-ion batteries |
| Physics-informed hybrid reinforcement learning for estimating lithium-ion battery state of health |
| A Machine Learning Model for Predicting the Shear Strength of Slender FRP-Reinforced Concrete Elements |
| Punching Shear Strength of FRP-Reinforced-Concrete using a Machine Learning Model |
| Development of Machine Learning Models for Reliable Prediction of the Punching Shear Strength of FRP-reinforced Concrete Slabs without Shear Reinforcements |
| ANN Model for Two-Way Shear Capacity of Reinforced Concrete Slabs Without Shear Reinforcements |
| A Machine Learning Model for Torsion Strength of Externally Bonded FRP-Reinforced Concrete Beams |
| Evaluation of the Strength of Slab-Column Connections with FRPs Using Machine Learning Algorithms |
| A Survey on Various Image Inpainting Techniques |
| Random-Shaped Image Inpainting using Dilated Convolution |
| Random-Shaped Image Inpainting using Dilated Convolution |
| Semantic Image Inpainting using Self-Learning Encoder-Decoder and Adversarial Loss |
| A QoS based framework for efficient web servers |
| Fourth Ain Shams International Conferences on Enviromental Engineering |
| URSI 26 Conference |
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| **Chapter :** |
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