

Academic Education

- Mar 03 – June 05 **Post Doctor Industrial Research Fellow**
- March 03 **Doctor of Philosophy of Mechanical Engineering**
Performance Investigation of Swash Plate Axial Piston Pumps with Conical Cylinder Block
Concordia University, Montreal, Canada.
- March 1989 **Master of Mechanical Engineering**
Theoretical and Experimental Investigation of Performance of Four Nozzle Hydraulic Servo-Valve
Cairo University, Cairo, Egypt.
- July 1983 **Bachelor of Mechanical Engineering**
Automotive Engineering
Military Technical College, Cairo, Egypt.

Post Graduate Relevant Courses:

- Microprocessor and their applications in Mechanical Engineering
- Analysis and Design of Fluid Power Control Systems
- Random Vibration
- Computer Methods
- Theory of Elasticity and Plasticity
- Tribology
- Mechanical System Design
- Optimum Design
- Theory of Fine Measurements
- Mathematics & Numerical Methods