Course Goals:
To introduce the principles of neural networks and fuzzy logic as a vehicle for engineer applications.

Time Schedule:
Duration: 16 weeks
Lectures: 3 hours /week
Tutorial: None
Laboratories: None

Objectives:
At Completing this module the student should be able to:
1- Understand the neural networks and fuzzy logic fundamentals.
2- Program the related algorithms.
3- Design the required and related systems.

Course Contents

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<thead>
<tr>
<th>Concepts of ANN’s.</th>
<th>Week</th>
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<td>Kinds of ANN’s.</td>
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<td>Multi Layer ANN’s: Topology and C/CS</td>
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Mode of Assessment

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<tr>
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<td>Reports/Homework\ and or Projects</td>
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<td>Final Exam</td>
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References

3- Understanding Neural Networks and Fuzzy Logic: Basic Concepts and Applications, New York 1996.