Contact

- Email: jpurwadi@gmail.com
- Teaching schedule:
  - Friday, 16:00 - 17:40
1. To explain what Expert System (ES) is:
   - Definition, history, and general concept
   - Characteristic, advantages and limitations
   - Types and examples
   - Architecture and components
   - Development process
   - Inference engine
   - Knowledge base
   - Uncertainty factor
   - Knowledge acquisition
   - Expert system’s development tools
2. To give students opportunity to be creative on applying their ability by developing an ES
   ➢ There will be a final task completed in a group
“I never teach my pupils; I only attempt to provide the conditions, which they can learn”
Syllabus

I. Aug, 9th
   ✓ Preface

II. Aug, 16th
   ✓ Introduction of ES

III. Aug, 23th
   ✓ Characteristic & types of ES
   ✓ Explanation of final task

IV. Aug, 30th
   ✓ Architecture and Development process of ES
   ✓ Proposal discussion
Syllabus (2)

V. Sept, 5th
✓ Inference engine
✓ Proposal discussion

VI. Sept, 12th
✓ Proposal presentation

VII. Sept, 15th - 20th
✓ Mid test

VIII. Oct, 2th
✓ Knowledge base
✓ Proposal discussion
IX.  Oct, 7th
   ✓ Uncertainty factor

X.   Oct, 14th
   ✓ Knowledge acquisition

XI.  Oct, 21th
   ✓ Development tools of ES

XII. Oct, 28th
     ✓ Final task presentation
Syllabus (4)

XII. Dec, 4th
✓ Final task presentation

XIII. Dec, 11th
✓ Final task presentation

XIV. Dec, 17th
✓ Final Test
References


References (2)


Get the Materials!

http://www.pcai.com/web/ai_info/expert_systems.html
http://www.wtec.org/loyola/kb/toc.htm
www.jair.org
Grading Factors

1. Quizzes/tasks : 15.0 %
2. Program presentation : 10.0 %
3. Paper & program : 25.0 %
4. Mid Test : 25.0 %
5. Final Test : 25.0 %

Total : 100.0 %

There’ll be a bonus for 100% of presence
<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>85.0 – 100.0</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>70.0 – 74.9</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>55.0 – 59.9</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>45.0 – 54.9</td>
<td>1.0</td>
</tr>
<tr>
<td>E</td>
<td>0.0 – 44.9</td>
<td>0.0</td>
</tr>
</tbody>
</table>
Rules

- Respect each other
- Maximum lateness is 30 minutes
- No retest or reexamination for quizzes, mid test, and final test
- Minimum presence is 75%
- Any complain will be considered maximum one week after the grade announced
- Please make an appointment before discussion or consultation, and submit the material of discussion 2 days in advance