

**VASAVI COLLEGE OF ENGINEERING (Autonomous)  
DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES**

**OPEN ELECTIVE B.E.-3/4- VI Semester**

**CRITICAL REASONING**

**Outline of the Syllabus (detailed syllabus will be placed soon)**

<b>Instruction : 3 Hours</b>	<b>SEE : 60</b>	<b>Course code :</b>
<b>Credits : 3</b>	<b>CIE : 40</b>	<b>Duration of SEE : 3 Hours</b>
<b>Course Objectives</b> Is to help students Take information from source(s) with enough interpretation/evaluation to develop a comprehensive analysis or synthesis.  <b>Students will learn to:</b>  1. Identify the alternative solutions to the problem or case.  2. Derive solution or discuss the best solution(s) to the problem or case.  3. Discuss the conclusions that follow from the solution(s).		<b>Course Outcomes</b> <b>At the end of the course the student will be able to</b> <ul style="list-style-type: none"><li>• Analyse and use techniques for Venn diagrams to solve questions effectively</li><li>• Demonstrate the difference between deductive and inductive reasoning</li><li>• Evaluate and distinguish between strong and weak assumption and conclusions.</li><li>• Analyze and compare arguments.</li><li>• Creatively solve puzzles and games</li></ul>

**UNIT I**

- 1. Logical Connectives**
- 2. Venn Diagrams**

**UNIT II**

- 1. Decision Analysis**

**UNIT III**

- 1. Statement and Assumptions**
- 2. Statement and Conclusions**

**Unit IV**

- 1. Statement and Arguments**

**UNIT-V**

- 1. Games and Puzzles**

**METHODOLOGY:-**

Demonstration  
Expert lectures  
Writing and Audio-visual lessons

**Learning Resources:-**

scoremore.talentsprint.com

GMAT Critical Reasoning Bible: A Comprehensive - Book by David M. Killoran

**ASSESSMENT :-**

Online assignments  
Individual and Group Presentations