

VASAVI COLLEGE OF ENGINEERING (Autonomous)

IBRAHIMBAGH, HYDERABAD – 500 031

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

OPEN ELECTIVE B.E.-2/4- IV Semester

Course Name: CRITICAL THINKING

Common to all Branches

L:T: P (Hrs/Week):3	SEE Marks:60	Course Code: U20OE430EH
Credits: 3	CIE Marks:40	Duration of SEE:Hours:03

COURSE OBJECTIVES	COURSE OUTCOMES
TWPP	TWPP
Identify the core skills associated with critical thinking	Analyse and compare techniques for comparing alternate solutions
Comprehend the various techniques of critical thinking	Demonstrate the difference between deductive and inductive reasoning and construct logically sound arguments
Evaluate data and draw insights from it to make the right decisions	Check for accuracy of data and use it as a tool for problem solving
Understand where to look for bias and assumptions in problem	Evaluate, identify and distinguish between relevant and irrelevant information to formulate a thesis or hypothesis
Understand structure, standards and ethics of critical writing	Employing evidence and information effectively

UNIT 1: COMPONENTS OF CRITICAL THINKING

6 hrs

- Applying Reason
- Open Mindedness
- Analysis
- Logic

UNIT 2: NON-LINEAR THINKING

8 hrs

- Step out of your Comfort Zone
- Don't Jump to Conclusions
- Expect and Initiate Change
- Being Ready to Adapt

UNIT 3: LOGICAL THINKING

8 hrs

- Ask the Right Questions
- Organize Data
- Evaluate Information

- Draw Conclusions

UNIT 4: INFER MEANING FROM INFORMATIVE TEXTS

8 hrs

- Making Assumptions
- Watch out for Bias
- Ask Clarifying Questions
- SWOT Analysis

UNIT 5: PROBLEM SOLVING

6 hrs

- Identifying Inconsistencies
- Trust your Instincts
- Asking Ask?

METHODOLOGY	ASSESSMENTS
- Case Studies	- Online assignments
- Demonstration	- Individual and Group
- Presentations	
- Expert lectures	
- Writing and Audio-visual lessons	

LEARNING RESOURCES

learn.talentsprint.com

Dr. Jacqueline Amaral

The break-up of marks for CIE:

Internal Tests (2); Quiz Tests (3) + Assignments (3)

1. No. of Internal Tests:	<input type="text" value="2"/>	Max. Marks for each Internal Tests:	<input type="text" value="30"/>
2. No. of Assignments:	<input type="text" value="3"/>	Max. Marks for each Assignment:	<input type="text" value="5"/>
3. No. of Quizzes:	<input type="text" value="3"/>	Max. Marks for each Quiz Tests:	<input type="text" value="5"/>

Duration of Internal Tests: 90 Minutes