



CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA
Reaccredited by NAAC with 'A' grade

COURSE CODE

NAME OF THE COURSE

CVAC007

**CRITICAL THINKING FOR BETTER JUDGMENT
AND DECISION-MAKING**

OFFERED BY

CHEMISTRY

ABOUT COLLEGE

COURSE COORDINATOR

DR. ROBINSON P P
Department of
Chemistry

Chirst College (Autonomous), Irinjalakuda established in the year 1956 by CMI fathers has always been a place where young generations are moulded towards a bright future. College has excellent infrastructure, with state of the art laboratories, seminar rooms and lecture halls. The campus is Wi-Fi enabled. Presently College is home for 4500+ students, 200 teaching staff and 45 supporting staff. The strength of the College lies in its hardworking and tech savvy teachers who are eager to involve in all matters of students. The lush green campus with gardens and open gym is moving towards the next phase on education both offline and online.

LEARNING OUTCOMES

- Identify, evaluate and synthesize information
- Engage the imagination to explore new possibilities.
- Evaluate information and its sources critically.
- Understand the economic, legal, and social issues surrounding the use of information, and access and use information ethically and legally

COURSE MODULE

Module I: The Critical Thinking

Module II: The Critical Thinking Process

Module III: Developing a Critical Thinking Mindset

SYLLABUS

MODULE I

The Critical Thinking - Critical versus strategic thinking - Dimensions of Critical Thinking - Seven ways to think about thinking - Conditions to think beneath the surface - Minimizing Bad Judgment - A Nobel Prize-winning way to think about thinking - Spot cognitive biases. (10 Hours)

MODULE II

The Critical Thinking Process: Assumptions, Critical Thinking Fallacies - Most common logical fallacies at work - Avoiding the planning fallacy - Using framing to your advantage - Decision making methods - Improving Decision Quality - The REF method: Your intuition referee - Using counterfactual thinking - Overcoming dangers of loss aversion. (10 Hours)

MODULE III

Developing a critical Thinking mindset - Assess trustworthy information – Develop mental agility – Become a quantum thinker -Avoid overthinking – Balance rational, strategic and emotional thinking - Creative & Critical Thinking in Business - Group Discussion. (10 Hours)

REFERENCE

Fifty Strategies to Boost Cognitive Engagement: Creating a Thinking Culture in the Classroom (50 Teaching Strategies to Support Cognitive Development), Kindle Edition by Rebecca Stobaugh

The New Critical Thinking: An Empirically Informed Introduction 1st Edition, Kindle Edition by Jack Lyons

Thinking Critically 012 Edition, Kindle Edition by John Chaffee

The Critical Thinking Toolkit 1st Edition, Kindle Edition by Galen A. Foresman