



## **KKR&KSR Institute of Technology and Sciences Vinjanampadu, Guntur, Andhra Pradesh-522017**

Approved by AICTE, New Delhi and Permanent Affiliation from JNTUK, Kakinada  
Accredited with "A" Grade by NAAC & NBA Accreditation Status for 4 UG (CSE, ECE, EEE, ME) Programs

**Organized A Five Day workshop on Logical Thinking for IV year Students from 05th, August, 2023 To 10th August 2023.**

### **About the Workshop:**

Logical thinking refers to the process of reasoning, analyzing, and making decisions based on sound reasoning and rational thought. It involves the ability to evaluate information, draw conclusions, and solve problems by following a systematic and organized approach. Logical thinking relies on structured reasoning and evidence, aiming to arrive at well-founded conclusions that are free from biases and emotional influences.

### **About the Chief Guest:**

A challenging position that seeks an ambitious and career conscious person, where acquired technical skills will be utilized towards diverse job responsibilities, continued growth and contribution to the institution's success.

- Published a paper on "COMPARATIVE ASSESSMENT OF DEEP LEARNING METHODS FOR NETWORK INTRUSION DETECTION" in "International JOURNAL OF CRITICAL REVIEWS" in June 2020.
- Published a paper on "SIGNATURE BASED NETWORK INTRUSION DETECTION WITH DEEP AUTO ENCODER" in "International Journal of Grid and Distributed Computing" in July 2020.
- Published a paper on "New short texts gathering and analyzing documents engineering Approaches" in "International Conference on Technological Emerging Challenges" in March 2019.
- Published a paper on "New Expressing classification strategy for pasteurize significant datasets." in "International Conference on Technological Emerging Challenges" in March 2019.
- Published a paper on "Evaluating the performance of network intrusion detection system using Machine Learning Approaches" in "International Conference on Technological Emerging Challenges" in March 2019.

### **1.Objectives of the Event:**

#### **1.Introduce Logical Thinking:**

- Define logical thinking and its importance in problem-solving and decision-making.
- Provide participants with a clear understanding of how logical thinking applies to various aspects of life.

#### **2. Develop Analytical Abilities:**



- Help participants enhance their ability to break down complex situations into manageable components for better analysis.
- Teach participants how to identify patterns and relationships among various elements.

### 3. Cultivate Deductive and Inductive Reasoning:

- Introduce participants to deductive reasoning (general to specific) and inductive reasoning (specific to general).
- Guide participants in practicing both types of reasoning through examples and exercises.

### 4. Enhance Abstraction Skills:

- Instruct participants on identifying the core elements of a problem or situation while filtering out irrelevant details.
- Encourage participants to focus on essential information for effective decision-making.

### 5. Strengthen Problem-Solving Techniques:

- Teach participants systematic problem-solving methodologies, including identifying the problem, analyzing options, and evaluating outcomes.
- Provide participants with tools to approach complex problems with confidence.

### 6. Foster Critical Evaluation:

- Help participants develop the ability to critically assess information, arguments, and claims for logical validity.
- Enable participants to recognize logical fallacies and inconsistencies in reasoning.

### 7. Promote Structured Approach:

- Guide participants through a structured approach to logical thinking, emphasizing the importance of organizing thoughts and steps.
- Provide participants with frameworks to systematically evaluate and solve problems.

### 8. Encourage Evidence-Based Thinking:

- Teach participants how to rely on evidence, facts, and data when making decisions, rather



than emotions or opinions.

- Showcase the significance of objectivity and rationality in decision-making.

#### 9. Enhance Causal Relationship Understanding:

- Enable participants to understand cause-and-effect relationships and apply them in predicting outcomes and understanding interdependencies.
- Illustrate how changes in one variable can impact other variables.

#### 10. Apply Logical Thinking in Practical Scenarios:

- Present participants with real-world scenarios that require logical thinking to arrive at solutions.
- Engage participants in interactive exercises and group discussions to apply logical thinking skills.

#### 11. Encourage Continuous Learning:

- Provide participants with resources, references, and recommended readings to continue developing their logical thinking skills.
- Inspire participants to apply logical thinking in their daily lives and various professional contexts.

By achieving these objectives, participants will gain a strong foundation in logical thinking, empowering them to approach problems systematically, make informed decisions, and communicate effectively based on sound reasoning.



**1.Venue of the Event:**

The event is organized on campus and conducted by KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh in association with SPARK

**2.Date & Time of the Event:** The Event is organized

**3.No. of students participated:** 210

**5.No. of faculties participated:** 7

**6.Event photographs.**

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AUTONOMOUS

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**SPARK**  
To Empower

**DEPARTMENT OF CSD**

**A Five Day Workshop  
on  
LOGICAL THINKING**

**AUGUST 05<sup>th</sup> 2023 TO AUGUST 10<sup>th</sup> 2023**

**VENUE : AICTE LAB**

**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)



## **2. Benefits in terms of learning/Skill/Knowledge obtained.**

**Effective Problem-Solving:** Logical thinking equips individuals with the ability to analyze complex problems, break them down into manageable parts, and develop structured solutions. This skill is invaluable across various fields, from science and technology to business and everyday life.

**Rational Decision-Making:** Logical thinkers make decisions based on evidence, facts, and rational analysis rather than emotional impulses. This leads to well-informed choices with a higher likelihood of positive outcomes.

**Critical Thinking:** Logical thinking is closely tied to critical thinking, allowing individuals to evaluate information, arguments, and claims for validity and soundness. This helps in identifying flaws in reasoning and avoiding logical fallacies.

**Improved Communication:** Logical thinkers can express their ideas, thoughts, and solutions in a clear and organized manner. They can present arguments coherently and convince others through logical reasoning.





**2. Promotion of the Event on the Social Media Website: (Link and Screenshot):**

[6\) https://www.facebook.com/profile.php?id=100087264817607](https://www.facebook.com/profile.php?id=100087264817607)

**1. Event on the University/college :( Link and Screenshot)**

[KITS\\_CSD \(@kits\\_csd\) • Instagram photos and videos](#)



DATA SCIENCE kits\_csd

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Liked by  **\_roshinisrinivas\_ and 78 others**

**kits\_csd** Organized A Five Day workshop on Logical Thinking for IV year Students from 05th ,August, 2023 To 10th August 2023.

2. **Expenditure Amount ( If any):** Nil
3. **Remarks:** The event is organized smoothly with practical orientation.
4. **Experiences and Output of the Session**

Increased Efficiency: When faced with complex tasks or projects, individuals with strong logical thinking skills can approach them systematically, saving time and resources. They can identify



the most effective ways to accomplish goals.



Innovation: Logical thinkers can identify patterns, connections, and relationships that others might miss. This enables them to come up with innovative solutions, improvements, and creative ideas.