

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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NH-16, Anakapalle - 531002, Visakhapatnam, A.P.

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A report on “Expert Talk on Design Thinking, Critical Thinking, and Innovation Design”

Introduction:

An expert talk on "Design Thinking, Critical Thinking, and Innovation Design" was conducted on 14-02-2025 at Raajdhani Engineering College (REC), Bhubaneswar in ONLINE mode. The session was attended by students, faculty members, and industry professionals. The keynote speaker, Dr. S Ramana Kumar Joga, an esteemed expert in the field of design and innovation, shared valuable insights into the importance of these concepts in problem-solving and creative processes.

RAAJDHANI ENGINEERING COLLEGE
BHUBANESWAR, ODISHA -751017

EXPERT TALK ON
“DESIGN THINKING, CRITICAL THINKING & INNOVATION DESIGN”
14th FEBRUARY 2025

RESOURCE PERSON
DR. S RAMANA KUMAR JOGA
R&D Co-ordinator, DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY, ANAKAPALLE.

ORGANISED BY
INSTITUTION'S INNOVATION COUNCIL - REC, BHUBANESWAR

Poster of the Expert Talk

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Objectives of the Talk The primary objectives of the session were:

- To introduce participants to the fundamentals of design thinking, critical thinking, and innovation design.
- To highlight the significance of these approaches in fostering creativity and problem-solving skills.
- To demonstrate practical applications of these concepts in various industries.
- To encourage an innovative mindset among students and professionals.

Key Takeaways

1. Design Thinking:

- It is a human-centered approach to innovation that integrates the needs of people, the possibilities of technology, and the requirements for business success.
- The five phases of design thinking—Empathize, Define, Ideate, Prototype, and Test—were explained in detail.
- Case studies from successful companies such as Apple, Google, and IDEO illustrated the impact of design thinking in creating innovative solutions.

2. Critical Thinking:

- The speaker emphasized the importance of analyzing and evaluating information objectively before making decisions.
- Participants were introduced to various critical thinking strategies, such as logical reasoning, problem-solving techniques, and decision-making frameworks.
- Real-life examples were discussed to demonstrate how critical thinking enhances problem-solving capabilities.

3. Innovation Design:

- The role of innovation in modern businesses and technological advancements was highlighted.
- The speaker presented different models of innovation, including incremental, disruptive, and radical innovations.
- Participants engaged in brainstorming exercises to understand the process of generating innovative ideas and transforming them into tangible solutions.

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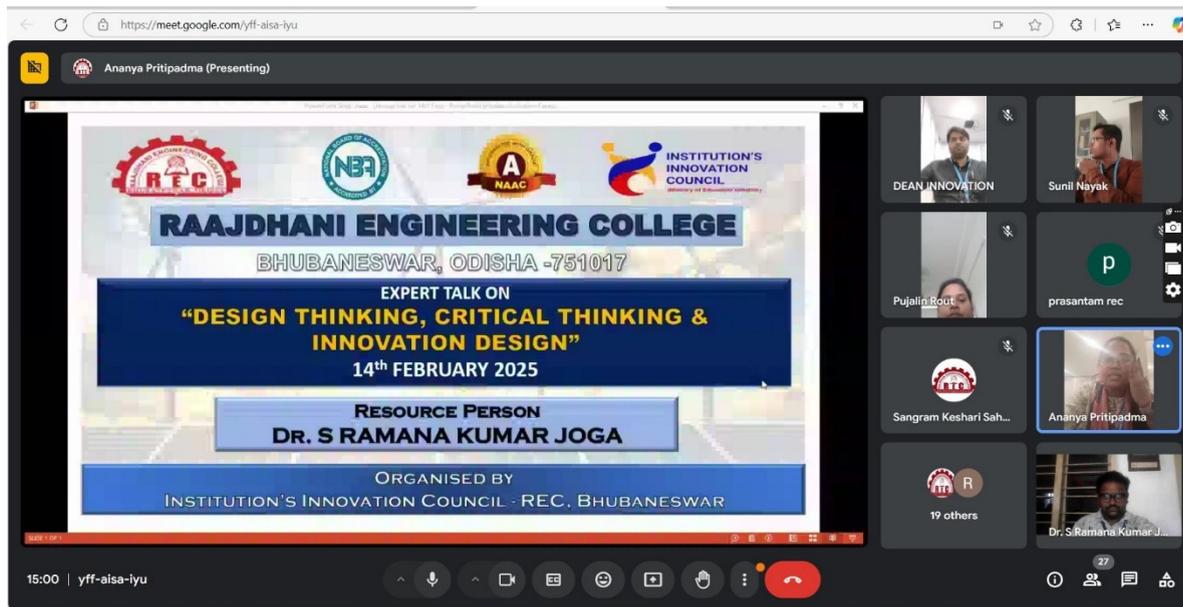
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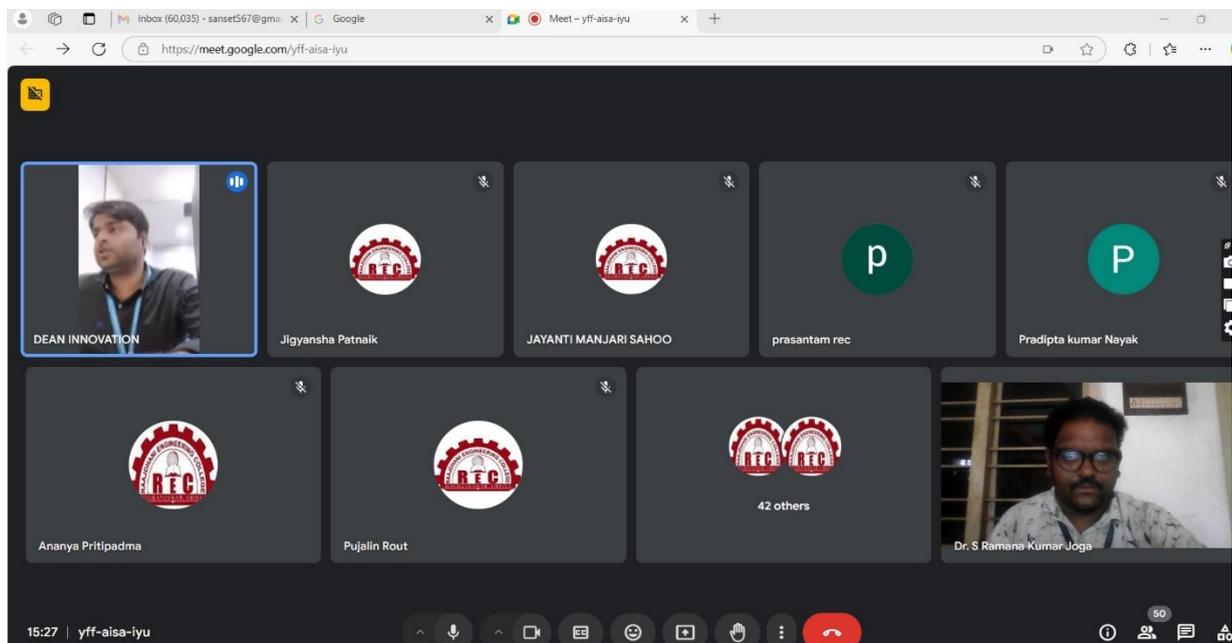
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Glimpses of the Expert Talk:



Inauguration of Expert Talk



Expert Talk on Design Thinking

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What is Design?

Design is about understanding needs and being sensitive to issues, identifying problems that need to be solved, and creating innovative appropriate solutions considering aspects of context, social concerns, sustainability and technology such that it makes a positive difference to life in our universe.



PPT on Design Thinking

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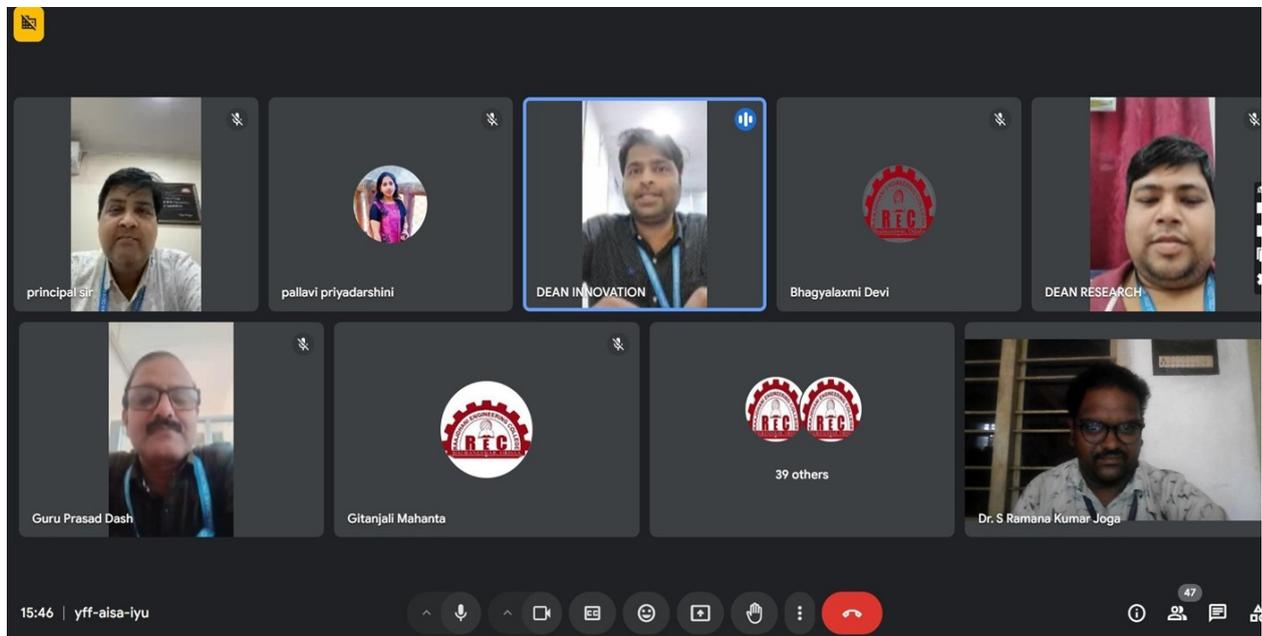


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Interactive Session and Q&A The session included an interactive workshop where participants worked in teams to solve real-world challenges using design thinking principles. A Q&A segment allowed attendees to seek clarification and discuss their perspectives on the topic.



Interactive Session and Q&A

Conclusion The expert talk was an enlightening experience that provided participants with a comprehensive understanding of design thinking, critical thinking, and innovation design. The insights shared by the speaker will help attendees apply these concepts in their academic and professional endeavors.

The event concluded with a vote of thanks by [Organizer's Name], expressing gratitude to the speaker, attendees, and organizing team for making the session a success.

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Recommendations

- Conduct more such expert talks and workshops to deepen knowledge on innovation and creativity.
- Encourage students to participate in design challenges and innovation competitions.
- Integrate design thinking principles into academic curricula to enhance problem-solving skills.

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