

ABOUT THE INSTITUTE

C V Raman Global University (formerly known as C V Raman College of Engineering), Bhubaneswar is an engineering and management institution in the Eastern Zone of Odisha, which was established in 1997 under C V Raman Group of Institution. The University is an ISO 9001:2015 certified institution, approved by AICTE, New Delhi. UG programs in engineering offered by the institute have been accredited by NAAC and NBA.



ABOUT DEPARTMENT

The Department of Mechanical Engineering was there from the inception of the college. The aim of the department is to be recognized as one of the top tier department in imparting quality education, carrying out research and technology development in the country. The department provides an outstanding research environment and offers an academic program leading to the award of B.Tech., M.Tech. and Ph.D. degrees.

RESOURCE PERSONS:

Experts from “School of Design Thinking” from Intellect Design Arena, Chennai along with industry experts from different domains will deliver lectures during the FDP.



C. V. Raman
Global University

ATAL Academy

Faculty Development Program

on

Design Thinking

(January 04 to 08, 2021)



Organized by

**Dept. of Mechanical Engineering
C. V. Raman Global University,
Bhubaneswar, Odisha-752054**

(CGU-Odisha)

Sponsored by

**AICTE Training And Learning (ATAL)
Academy
New Delhi**

ABOUT THE COURSE

This FDP will help fellow faculty members and research scholars of AICTE recognized institutions to get familiar with different aspects of design thinking. This program will also help the participants in preparing their minds for applying design thinking methodology to real-life problems. This FDP will also help faculty members in comprising basics of design thinking in the course curriculum of different programs offered by their parent institutions. This will encourage innovations on the campus.

TOPICS TO BE COVERED

- *Design Thinking Fundamentals*
- *Importance of Emotional Intelligence*
- *Importance of Mind Mapping*
- *Different Ideation Methods*
- *Product Development Cycle*
- *Success Stories*
- *Related Topics of Interest*

WHO CAN REGISTER

Faculty members of the AICTE approved institutions, research scholars, P.G scholars /participants from government, industry (Bureaucrats Technicians participants from industry, etc), and Staff of the host institute.

HOW TO REGISTER

Registration of participants will be done on the ATAL website. You can use the link given below:

<https://atalacademy.aicte-india.org/login>

IMPORTANT DATES

*For the last date for Application:
Please visit ATAL Academy Portal*

PROGRAM COORDINATOR

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PROGRAM CO-COORDINATOR

Dr S. Basak, Assistant Professor

Mr M K. R. Pulagam, Assistant Professor

Mr. Rakesh D., Assistant Professor

ORGANIZING COMMITTEE

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Sri Sanjib Kumar Rout

President, CGU-Odisha

PATRONS:

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LOCAL ORGANIZING COMMITTEE:

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Mr. P Kumar

Dr. K.S. Bal

Mr. R K Jena

Mr. P Mishra

Mr. B.K.Khamari

Flow-Chart of FDP

| <u>Session #</u> | <u>Name / Title</u> | <u>Pointers</u> |
|------------------|--|---|
| 1 | Introduction to Design Thinking | Context Setting & Expectations |
| | | Design Appreciation in Daily Walks of Life |
| 2 | 'Design the Thinking®' for Design-Mindset | 13 Musical Notes |
| | | Design-Mindset for Innovation |
| | | Design Thinking vs Traditional Thinking |
| 3 | Thinking the Design for Innovation | Laws of Design Thinking |
| | | Design Approaches |
| | | Unearthing Unstated Needs for Innovation |
| 4 | Imbibing Empathy to understand Students better | Introduction to Process of Design Thinking |
| | | A framework to garner Student-Centric Insights |
| 5 | Understanding Stakeholder in Academics #1: Framework | Stakeholder Mapping |
| | | Envisioning Academic Landscape |
| 6 | Understanding Stakeholders in Academics #2: Hands-On Approach | Persona Tool for better Human-Insights |
| | | Improving Learning Experience using Design Tools |
| 7 | Life-Skill Session for Faculty - Design for Life & Stress Management | Laughter Therapy |
| | | Life Visualization through Design |
| | | Stress Management |
| 8 | Industry Insights #1 | Session from an Industry Expert |
| 9 | Defining the Problem Statement | Case Study |
| | | Asking the Right Questions to Solve Correct Problem |
| 10 | Design For Ideation | Divergence Design Tools |
| 11 | Narrowing on Ideas & Storytelling for impactful delivery | Proof Of Concept & Prototype |
| | | Convergence Design Tools |
| 12 | Industry Insights #2 | Session from an Industry Expert |
| 13 | Impacting my Academia | Success Cases of Design Thinking in Academics |
| | | Our Experience in making Design impact Curriculum |
| 14 | Industry Insights #3 | Session from an Industry Expert |