



## **School of Civil Engineering Organized in Association with UIIC, REVA University**

### **Webinar on “Design Thinking for Civil Engineers”**

**School: Civil Engineering**

**Venue: Online (MS-Teams)**

**Date: 21-06-2021**

**Timing: 11.00A.M-12.00 P.M**

**Year: 2020-2021**

#### **Description of the event**

It is a webinar on Design Thinking for civil was organized by School of Civil Engineering in association with University Industry Interaction Center (UIIC), REVA University for all UG students of civil engineering. The Resource persons are **Prof. B.A Patil**, Founder & Director (R&D), Think & Ink Education and Research Foundation. Resource person is having vast experience in the field of Design Thinking, Inclusive Designs, Structural Mechanics, Fault analysis, system modelling, smart structures with health monitoring for 30+years, about 120 students were attended the webinar.

#### **Coordinator's**

- 1. Mr. Jayachandra**

We would like to thank our beloved Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to conduct such programs. We also thank **Vice Chancellor Dr. M. Dhanamjaya , Registrar** for their motivation to conduct Webinar.

We also thank our Director, School of Civil **Dr. Y Ramalinga Reddy Sir, Dr. Kiran Kumari Patil** madam, Director, UIIC, Assistant Director **Prof. Rajashekar S L** for their constant support and guidance. We also thank all the faculties and technical staffs of School of Civil Engineering for their support.

#### **Objectives of Webinar**

- To impart knowledge on design thinking process for understanding designs.
- To provide design skills to analyze design thinking issues and apply the tools and techniques of design.
- To inculcate attitude to solve societal problems using design thinking tools.

#### **Outcomes of Workshop**

- Identify the problems that fall under the purview of human centered design process for creative problem solving.

- Create empathy maps to visualize user attitudes and Develop innovative products or services for a customer base using ideation techniques
- Build simple prototypes for problems using gathered user requirements.
- Improve prototype by testing it with a specific set of users for making it sustainable by following ethics.



**REVA UNIVERSITY**  
Bengaluru, India  
Established as per the section 2(f) of the UGC Act, 1956  
Approved by AICTE, COA and BCI, New Delhi

**School of Civil Engineering  
in Association with  
University Industry Interaction Center**

Organises a Webinar on

## Design Thinking for Civil Engineers

**Session link:** <https://bit.ly/3pY29xO>

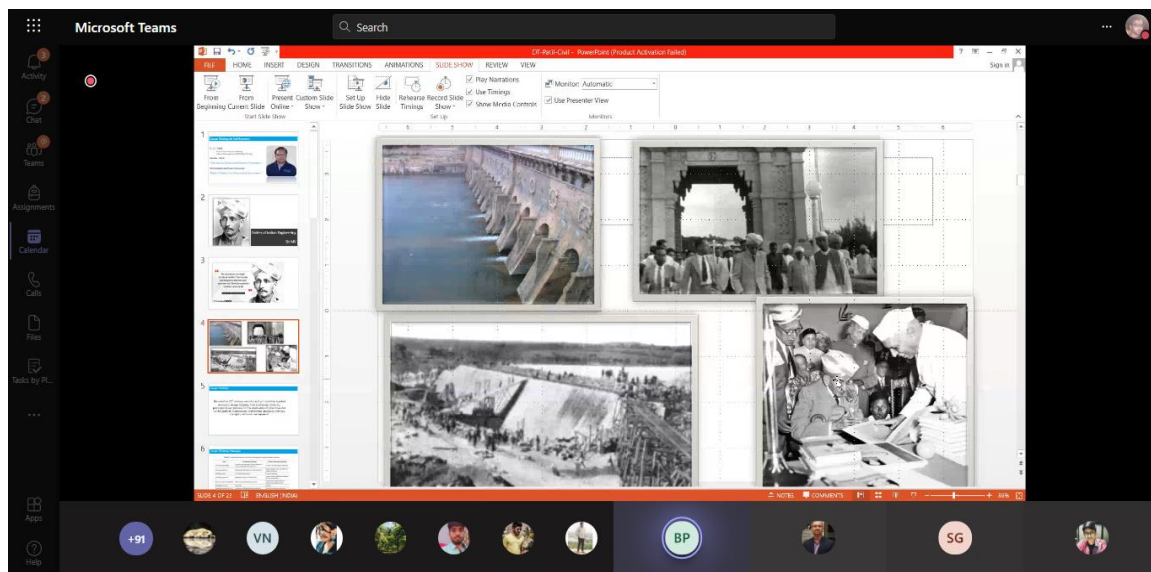
**Date :** 21<sup>st</sup> June, 2021  
**Time:** 11:00 A. M to 12:00 Noon

[www.reva.edu.in](http://www.reva.edu.in)

**Resource Person**



**Prof. B. A. Patil**  
Founder  
Think & Ink Education and  
Research Foundation



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## Design Thinking: Pedagogy

Table 1. Comparison between traditional teaching and creative thinking teaching.

Item	Traditional Teaching	Creative Thinking Teaching
Teaching philosophy	Teachers are expected to lead students to become familiar with textbooks	Focus on the training of creativity
Teaching objective	Realize the objectives set in the textbooks	Equip students with the ability of creative thinking
Teaching mode	An unchanging model	Creative thinking
Teaching approach	Instruction plays a dominant role	Adopt creative thinking strategies; diverse and flexible
Role of teacher and student	One-way; dominance by teachers	Inspirer and helper; focus on teacher-student interaction
Teaching resources	Textbooks	Diverse
Teaching material and tool	Textbooks, blackboards and chopsticks	Diversified teaching materials
		Evaluations and answers

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B A Patil (Guest)

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B A Patil (Guest)

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## Design Thinking for Civil Engineers

RTK system

Coordinator Node

Satellite Network

Remote Center

Host Database Processing

Sensor Nodes

10 11 12 13 14 15

SLIDE 14 OF 16

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BP