

**Name of the Program** :- Faculty Development on “Advanced Pedagogical Tools to Bridge the Gap Between Industry and Academia”

**Name of Key Speaker** :-1. Dr. Mrs. Sushma S. Kulkarni  
Director RIT COE, Sangali.  
2. Mr. Amey Gaurvadkar  
Assistant Professor, RIT COE, Sangali.

**Date of Conduction** :- 17<sup>th</sup> and 18<sup>th</sup> Jan 2022

**Objectives** :- To bridge the gap between Industry and Academia by giving information of different Pedagogical Tools.

**Targeted Audience** :- Faculty Members of Various Colleges.

**No. of Participants** :- 40

**Google meet Link** :- [meet.google.com/pdk-svhw-wqz](https://meet.google.com/pdk-svhw-wqz)



DATTAKALA SHIKSHAN SANSTHA'S  
DATTAKALA GROUP OF INSTITUTIONS  
FACULTY OF ENGINEERING

Gat no. 541/2 off pune –Solapur National Highway ,Swami Chincholi  
Tal :Daund ,Dist :pune-413130 URL: [www.dattakala.edu.in](http://www.dattakala.edu.in)  
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Speaker

Faculty Development Programme on  
**"Advanced Pedagogical Tools To Bridge The  
Gap Between Industry And Academia"**

Organized by  
**Department of Electrical Engineering**

On 17<sup>th</sup> & 18<sup>th</sup> January 2022  
At 02.30pm to 04.00pm



Dr. Mrs. Sushma S. Kulkarni  
Director  
Rajarambapu Institute of Technology, Rajaramnagar

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**Dr. Appasaheb Keste**  
Principal, DGOIFOE

**Dr. Sharad Karne**  
Director, DGOI

**Mrs. Maya R. Zol**  
Secretary, DKSS

**Prof. Ramdas M. Zol**  
President, DKSS



## II. Show the full problem solving process, including metacognition (cont.....)

- Is this working? Does that solution make sense? How can I check it? This helps students accelerate their progression towards doing themselves.
- Identify their mistakes and ineffective strategies in exams (Make student's part of it).
- Use break solution in small parts, use think-pair-share.

## III. Use Repetition to promote automaticity

- There is strong connection between repetition and learning as per cognitive sciences.
- To develop automaticity in a skill, build repetition into your instruction.
- Show a variety of applications of the skill in lectures, class activities and assignments and then put problems in the exam.
- Use inter leaving (alternative between two different methods of teaching a skill) and overlearning repeating the same method again and again



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## How to bridge the Gap using Pedagogical Techniques?

- 1) In class Room
- 2) Outside the class Room
- 3) Laboratories
- 4) Projects - Mini, Micro, Major projects
- 5) Internship

### One of the important factors is :

- ❖ [Change in the Mind-set required by faculty to implement it.](#)  
(Show the 3 idiots clip ... traditional teaching. What is a machine)
- ❖ Change in the mind-set required by Industries too to accept to train students and faculty
- ❖ There should be trust and bond between the Industry and Academia



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