

<b>Name of the Program</b>	<b>:-</b> Faculty Development on “Advanced Pedagogical Tools to Bridge the Gap Between Industry and Academia”
<b>Name of Key Speaker</b>	<b>:-</b> 1. Dr. Mrs. Sushma S. Kulkarni Director RIT COE, Sangali. 2. Mr. Amey Gaurvadkar Assistant Professor, RIT COE, Sangali.
<b>Date of Conduction</b>	<b>:-</b> 17 <sup>th</sup> and 18 <sup>th</sup> Jan 2022
<b>Objectives</b>	<b>:-</b> To bridge the gap between Industry and Academia by giving information of different Pedagogical Tools.
<b>Targeted Audience</b>	<b>:-</b> Faculty Members of Various Colleges.
<b>No. of Participants</b>	<b>:-</b> 40
<b>Google meet Link</b>	<b>:-</b> <a href="https://meet.google.com/pdk-svhw-wqz">meet.google.com/pdk-svhw-wqz</a>



DATTAKALA SHIKSHAN SANSTHA'S  
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FACULTY OF ENGINEERING

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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

Speaker



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

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



2:09:07

## 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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