

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bangalore-560074

RajaRajeswari Institution Innovation Council (RRIIC)

(Approved by MoE : IC201912297)



Expert Talk on "Technology Readiness Level" : RajaRajeswari Institution Innovation Council (#RRIIC) is conducting a **Expert Talk on "Technology Innovation and Technology Readiness Level"** on **24th January 2023** & **Timing : 3.15 P.M. – 4.30 P.M.**

Resource Person:

Dr. G.Vinoth, M.S., Ph.D (USA),

**Start up Venture Developer,
Pongu Ventures Pvt. Ltd., Chennai.**

Date : 24th January 2023 & Timing : 3.15 P.M. – 4.30 P.M.

Description: Students and faculty members are given opportunity to have a session on Technology Innovation and TRL Levels of Technology based Innovation and make an understanding on Science to Business, and provide knowledge on different level of **"Technology Readiness Levels"**

Number of Students Attended the Workshop: 52

Number of Faculty members attended: 5

Organizing Committee :

Dr.R Balakrishna, Principal, RRCE

Dr.S.Usha, Dean – Research & Vice President – RRIIC

Dr.J.Amutharaj, President – RRIIC

Dr.C.Ramesh, Convener - RRIIC

Dr.L.Rangiah, Professor & Head – ECE Dept. & Advisor – RRIIC

Dr.K.S.Rajesh, Professor & Head – AIML Dept. & Advisor - RRIIC

Virtual Workshop Poster



RAJARAJESWARI
COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru- 560074



ACCREDITED WITH GRADE
A+
NAAC



INSTITUTION'S
INNOVATION
COUNCIL

RRIC

organizing workshop on
RRBI - Expert Talk on Technology
Readiness Level
Resource Person

Date :
24-01-2022



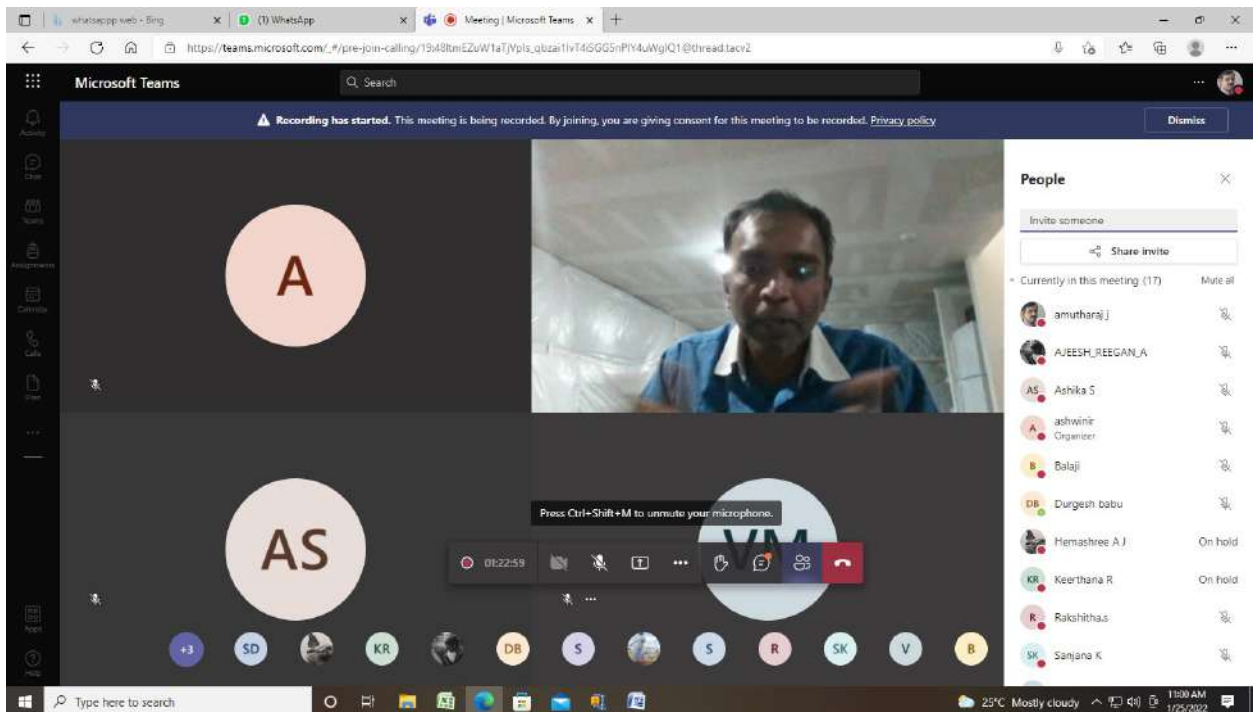
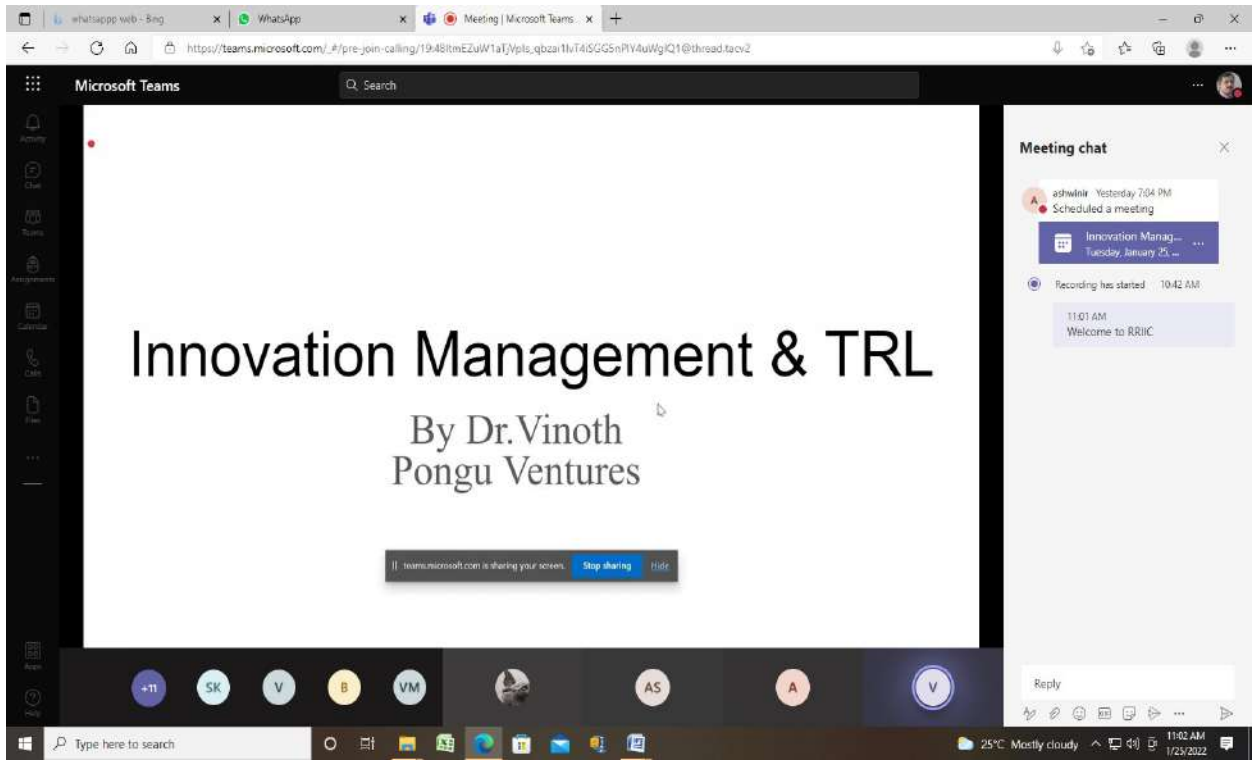
Time :
3:15 PM - 4:15 PM

Dr. G. Vinod
STARTUP VENTURE DESIGNER,
PONGU VENTURRS
Google Meet
<https://meet.google.com/ooz-aqaj-fgp>

Organizers

Dr. Balakrishna R	- Principal
Dr. Usha S	- Dean Research
Dr. J.Amutharaj.	- VP , RRIC President
Dr. C Ramesh	- Convenor , RRIC
Dr. L.Rangiah	- Advisor, RRIC & HoD, ECE
Dr. K S Rajesh	- Advisor, RRIC & HoD, AIML

Event Photographs



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Innovation is all about bringing Change in the Society

“To design is no longer to increase the stability of the man-made world: it is to alter or **Change**, for good or ill, things that determine the course of its development.”

Design Method by John Christopher Jones

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01-26-11

ponguv ventures

Meeting chat

ashwinir Yesterday 7:05 PM
Scheduled a meeting

Innovation Manag...
Tuesday, January 25, ...

Recording has started 10:42 AM

11:01 AM
Welcome to RSIIIC

Reply

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Creativity Vs. Innovation

- ❖ Most of the students are **Creative**, but what they really need to pursue is **innovation**.
- ❖ “What is often lacking is not creativity in the idea-creating sense but innovation in the action-producing sense, i.e. **put ideas to commercialization**”

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People

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AS	Ashika S	
A	ashwinir Organizer	
DB	Durgesh babu	
	Hemashree A J	On hold
KR	Keerthana R	
PS	Pooja S	
S	Shrunqa	
SD	Souvik Dey	On hold
S	Suhas,N	
VM	Varsha Mk	
V	Vijayalakshmi,V	
V	vinothstartups (Guest)	

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Innovation in 2 Dimensional View - JIM KALBACH

TECHNOLOGY PROGRESS

HIGH

LOW

Breakthrough

Game Changer

Incremental

Disruptive

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amutharaj j

AJEESH_REEGAN_A

Ashika S

ashwinir Organizer

DB Durgesh babu

Hemashree A J

On hold

PS Pooja S

SD Souvik Dey

On hold

S Suhas.N

VM Varsha Mk

V Vijayalakshmi.V

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11:12 AM 1/29/2022

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Four distinct zones of innovation:

- **Incremental** innovations involve **modest changes to existing products and services**. These are enhancements that keep a business competitive, such as new product features and service improvements.
- **Breakthrough** innovation refers to **large technological advances** that propel an existing product or service ahead of competitors. This is often the result of research and development labs (R&D), who are striving for the next patentable formula, device and technology.
- **Disruptive** as coined by the the Godfather of Disruptive Innovation, Clayton Christensen) – **new products or services** that enter at the bottom of the market and overtime move up and displace established market leaders.
- **Game-changing** innovation transform markets and even society. These innovations have a radical impact on how humans act, think and feel in some way.

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01:40:47

amutharaj j

AJEESH_REEGAN_A

Ashika S

ashwinir Organizer

DS Dr. D Sivakumar

Dr. SobyaDevaraj

Dr.S.Usha

DB Durgesh babu

Hemashree A J

On hold

JB Jayashri Badiger

Activate Windows

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SD Souvik Dey

On hold

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Li-Fi, 100X Faster Than Wi-Fi, could be the next disruptive technology to change how we connect and communicate.

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- amutharaj
- AS Ashika S
- A ashwinir Organizer
- BS BHOOMIKA S
- BHOOMIKAA P
- B BINDUSHREE
- DM DEEPTHI M
- DS Dr. D Sivakumar
- Dr. Sobyadevaraj
- DB Durgesh babu Activate Windows
- GAGANA S

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- BHOOMIKAA P
- B BINDUSHREE
- DM DEEPTHI M
- DS Dr. D Sivakumar
- Dr. Sobyadevaraj On hold
- DB Durgesh babu Activate Windows
- GAGANA S

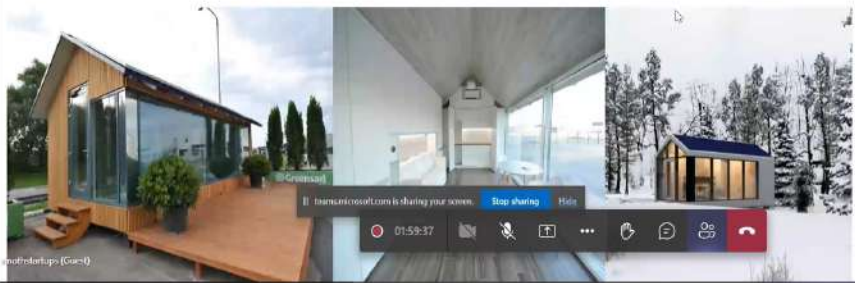
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3D Printed House

3D Printers are already disrupting the manufacturing industry.



01:59:37

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- A.Muruganandham
- ashwinir
Organiser
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- BHODMIKAA P
- BINDUSHREE
- DM DEEPTHI M
- DS Dr. D Sivakumar
- Dr.SobyaDevaraj
- DB Durgesh babu
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GS GAGANA S

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Technology Readiness Level

- TRL 0: Idea.** Unproven concept, no testing has been performed.
- TRL 1: Basic research.** Principles postulated and observed but no experimental proof available.
- TRL 2: Technology formulation.** Concept and application have been formulated.
- TRL 3: Applied research.** First laboratory tests completed; proof of concept.
- TRL 4: Small scale prototype** built in a laboratory environment ("ugly" prototype).
- TRL 5: Large scale prototype** tested in intended environment.
- TRL 6: Prototype system** tested in intended environment close to expected performance.
- TRL 7: Demonstration system** of a representative system in intended environment at pre-commercial scale.
- TRL 8: First of a kind** commercial scale demonstration system in intended environment.
- TRL 9: Full commercial application,** technology available for consumers.

02:12:28

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