RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli cross, Mysore Road, Kumbalgodu , Bangalore-560074

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report On Webinar (online)

1. Type of Event : Webinar on 25th Febraury 2022

2. Title of Event : "Writing a research Proposals for Funding Agencies "

3. Resource Person: Dr. T Sheela, Professor & Head-IT , Dean(Networking), Sri Sai Ram Engineering College, Chennai .

4. Event Duration : 1.30 P.M to 3.30 P.M

5. Venue : MS Teams.

6. Organizer : Dr. S Usha, Dean Research, HOD (CSE)

7. Faculty Co-odinators: Dr. M Selvi Assoc. Prof. , Dr. T Kamal RajAssoc. Prof.

8. Target Participants: Teaching faculties all branches.

9. Topics covered:

- How to write research proposals
- Funding Agencies
- Sample Case Study

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RESEARCH PROPOSALS FOR FUNDING AGENCIES

1. How to write research proposals
2. Funding Agencies
3. Case study (Sample)

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Project Proposal Format

Project Proposal Format

- 1. **Origin of the Project Proposal:** (Maximum 1 page) (Scientific reason for doing this work should be elaborated) - Most important part. Write it after reading thoroughly regarding what is done and what you are focusing on doing in the project.
- 2. **Review** of status of Research and Development in the subject
- 2.1 International Status: (Maximum 2 pages) (Researchers working in the area worldwide and their contributions must be properly highlighted with recent references and reviews. A correct and faithful description of the international research status must be given)
- 2.2 National Status: (Maximum 1 page) (Same as above to cover the contribution of Indian Scientists in the project area) (It is suggested to prepare 50 - 75% portion of 2.1 and 2.2 in tabular format for a better comparison of existing work already done in this area of research. See the attachment for a better understanding

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Project Proposal Format

2.3 Importance of the proposed project in the context of current status: (Maximum 1 page) (Highlight what is the new area or gap which will be solved in the project in relating to what is already known. This is a very important section in project thesis/dissertation)

2.4 If the project is location specific, basis for selection of location be highlighted: (Maximum 1/2 page) (If the research is only for India, Asia or Tamilnadu, in that case you can elaborate why it is on a specific area. If it is a general research contribution for the world then you can omit this section.)

- 3. **Work Plan:**

3.1 **Methodology:** (Maximum of 3 pages)

- It should contain all the details of how each of the objectives will be addressed.
- This section must be detailed and have clear plans, not vague and generalised statements.
- It should have several schemes, tables, figures, equations etc. in addition to text, explanations and justifications. Use appropriate software for drawing figures.

- 3.2 **Time Schedule** of activities giving milestones through bar diagram: (Maximum 1 page) In which month what is your target. See the sample proposal for having a better idea. 3.3 Suggested Plan of action for utilization of research outcome expected from the Project.

- 3.4 **Environmental impact assessment and risk analysis**: (Maximum ½ page) (Mostly this point is not applicable for our project. Still if you find any risk or bad impact in the environment due to your project then mention in short.)

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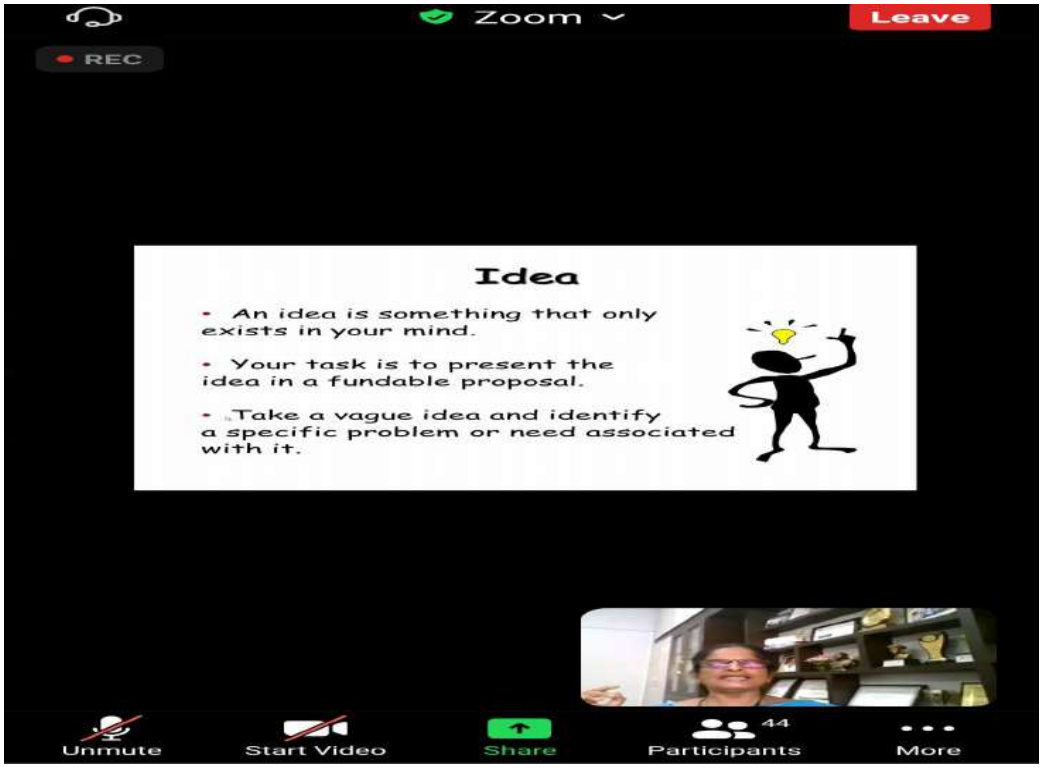
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Idea
- An idea is something that only exists in your mind.
- Your task is to present the idea in a fundable proposal.
- Take a vague idea and identify a specific problem or need associated with it.
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You have to Play by the Rules
- GET the guidelines
- READ the guidelines
- FOLLOW the guidelines
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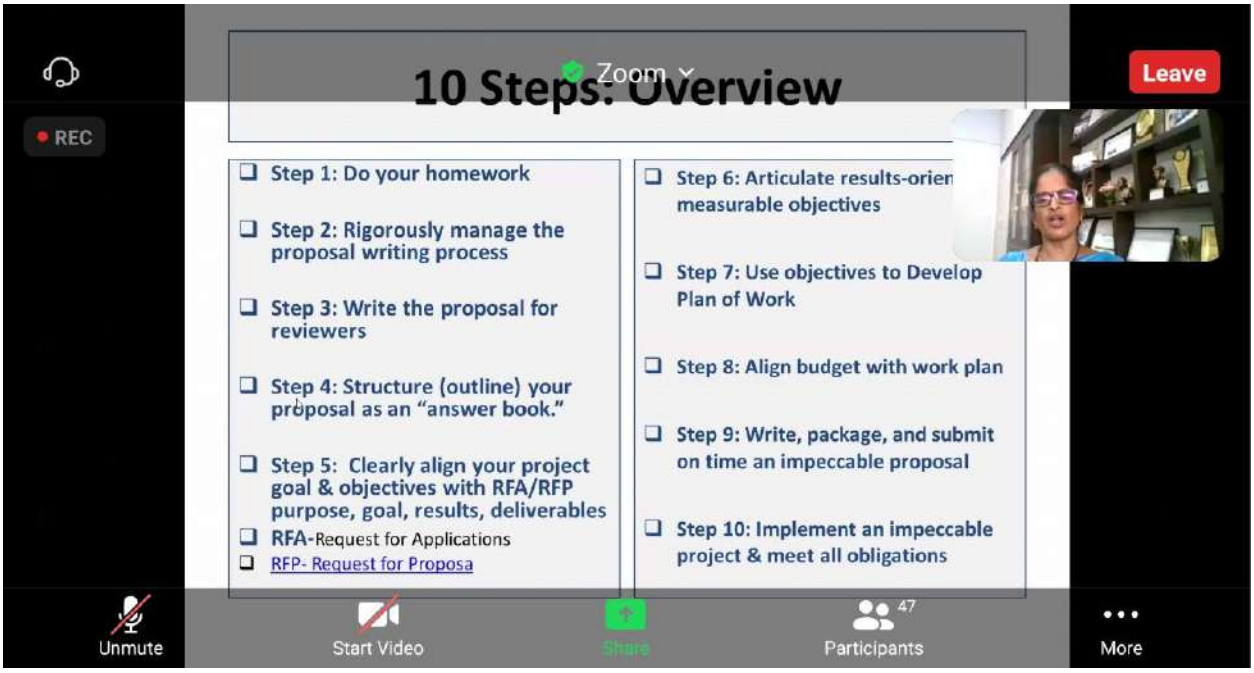
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10 Steps: Overview
Step 1: Do your homework
Step 2: Rigorously manage the proposal writing process
Step 3: Write the proposal for reviewers
Step 4: Structure (outline) your proposal as an "answer book."
Step 5: Clearly align your project goal & objectives with RFA/RFP purpose, goal, results, deliverables
RFA-Request for Applications
RFP- Request for Proposa
Step 6: Articulate results-orien measurable objectives
Step 7: Use objectives to Develop Plan of Work
Step 8: Align budget with work plan
Step 9: Write, package, and submit on time an impeccable proposal
Step 10: Implement an impeccable project & meet all obligations
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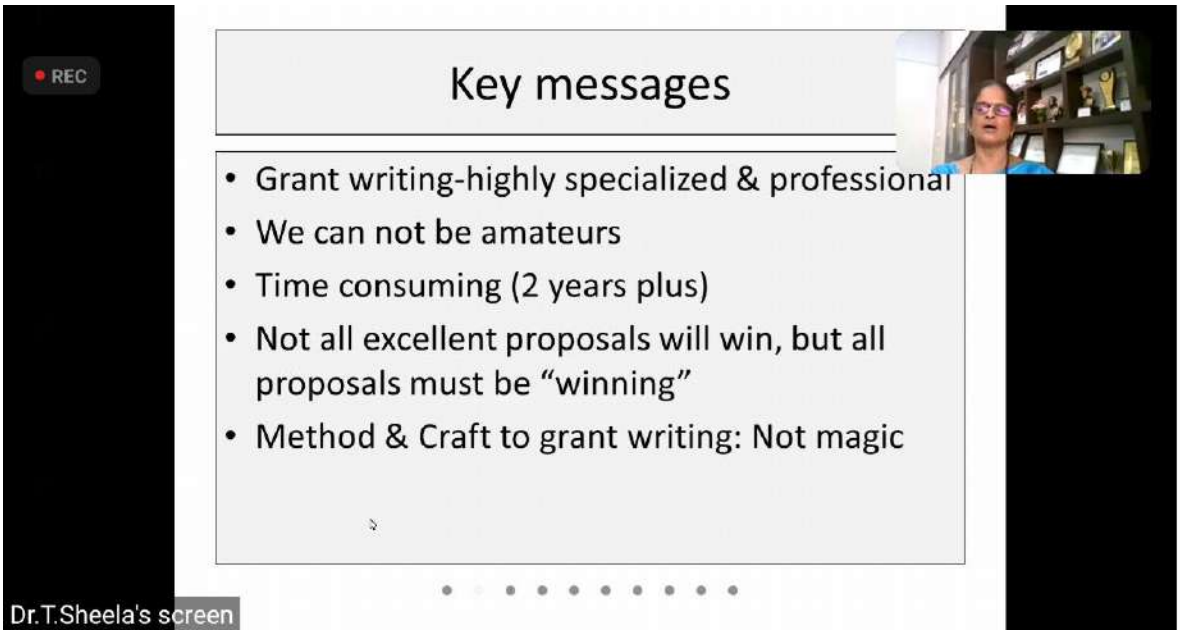
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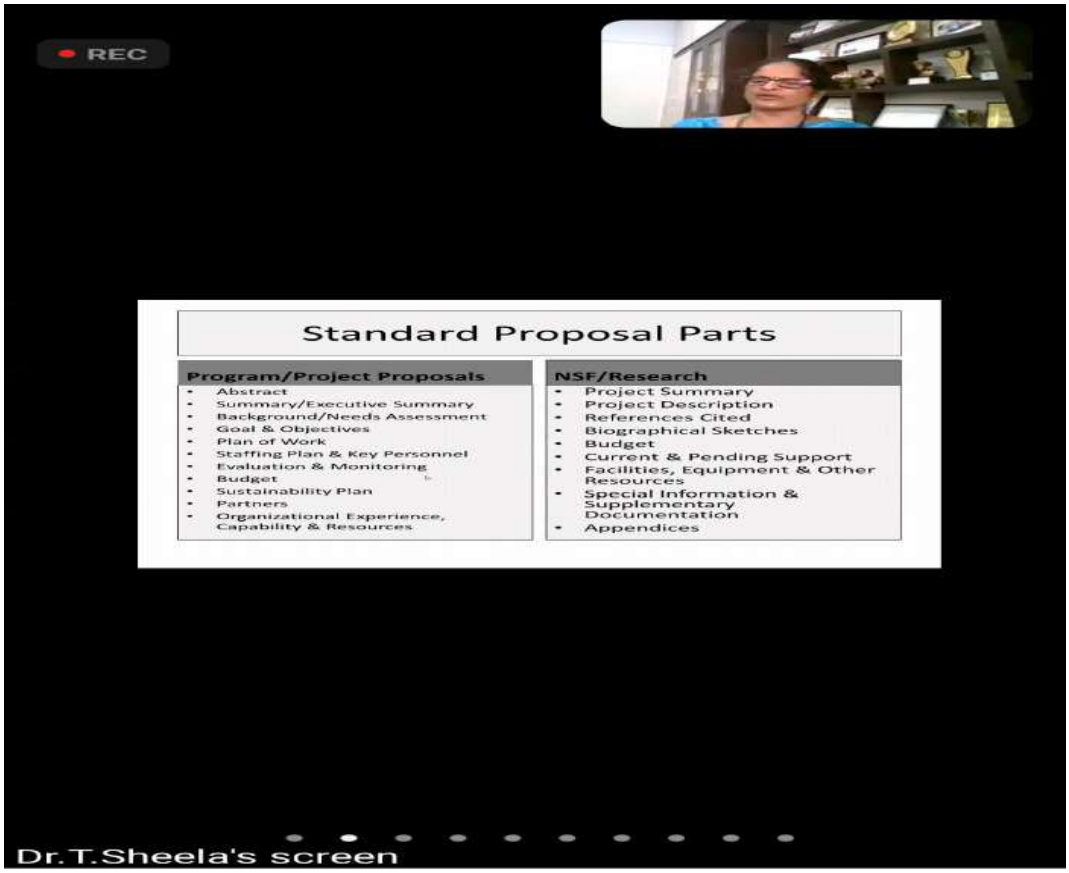
Key messages
Grant writing-highly specialized & professional
We can not be amateurs
Time consuming (2 years plus)
Not all excellent proposals will win, but all proposals must be "winning"
Method & Craft to grant writing: Not magic
Dr.T.Sheela's screen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Standard Proposal Parts
Program/Project Proposals
Abstract
Summary/Executive Summary
Background/Needs Assessment
Goal & Objectives
Plan of Work
Staffing Plan & Key Personnel
Evaluation & Monitoring
Budget
Sustainability Plan
Partners
Organizational Experience, Capability & Resources
NSF/Research
Project Summary
Project Description
References Cited
Biographical Sketches
Budget
Current & Pending Support
Facilities, Equipment & Other Resources
Special Information & Supplementary Documentation
Appendices
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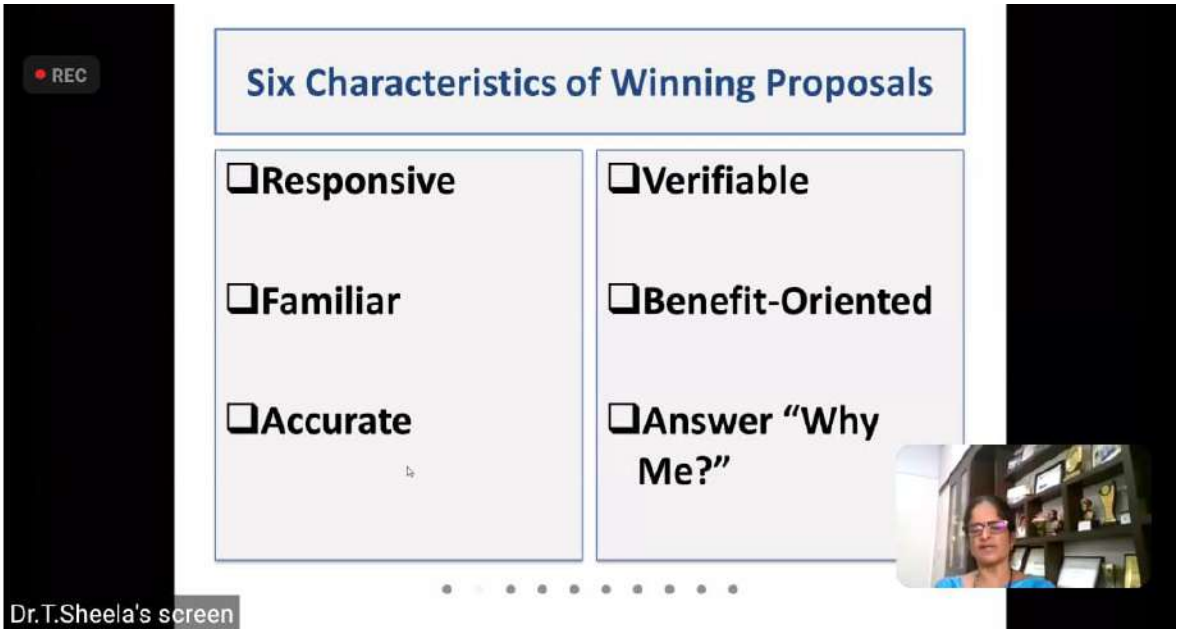
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Six Characteristics of Winning Proposals
❑Responsive
❑Familiar
❑Accurate
❑Verifiable
❑Benefit-Oriented
❑Answer "Why Me?"
Dr.T.Sheela's screen

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Objectives

Operationalize Objectives with	Measure Objectives
• Plan of Work • Management & Staffing (personnel) Plans • Partnership Plan • Sustainability Plan • Budget	• Monitoring & Evaluation Plan

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Keys to Success

- Innovation and Creativity is important
  - Looking for new solutions to old problems
  - How do you create creativity?
- Calling the Program Officer is the most important element
  - 85% of all successful grant seekers have had contact with the program officer

Dr.T.Sheela's screen

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A Good Problem Statement Should:

- Show that you understand the problem
- Demonstrate that this is an important problem to solve, not only at Whitworth, but regionally and nationally as well
- Clearly describe the aspects of the problem that your project will address, and what gaps this will fill
- Describe the theoretical or conceptual basis for your project and your knowledge of the issues surrounding your proposed project
- Include statistical data, if appropriate
- Demonstrate that your approach is creative or innovative
- Describe how this projec fits into the already exis goals of the organization

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Plagiarism

- Duplichecker.
- PaperRater.
- Copyleaks.
- PlagScan.
- Plagiarisma.
- Plagiarism Checker.
- Quetext.
- Small SEO Tools – Plagiarism Checker
- iThenticate: Plagiarism Detection Software
- turnitin software

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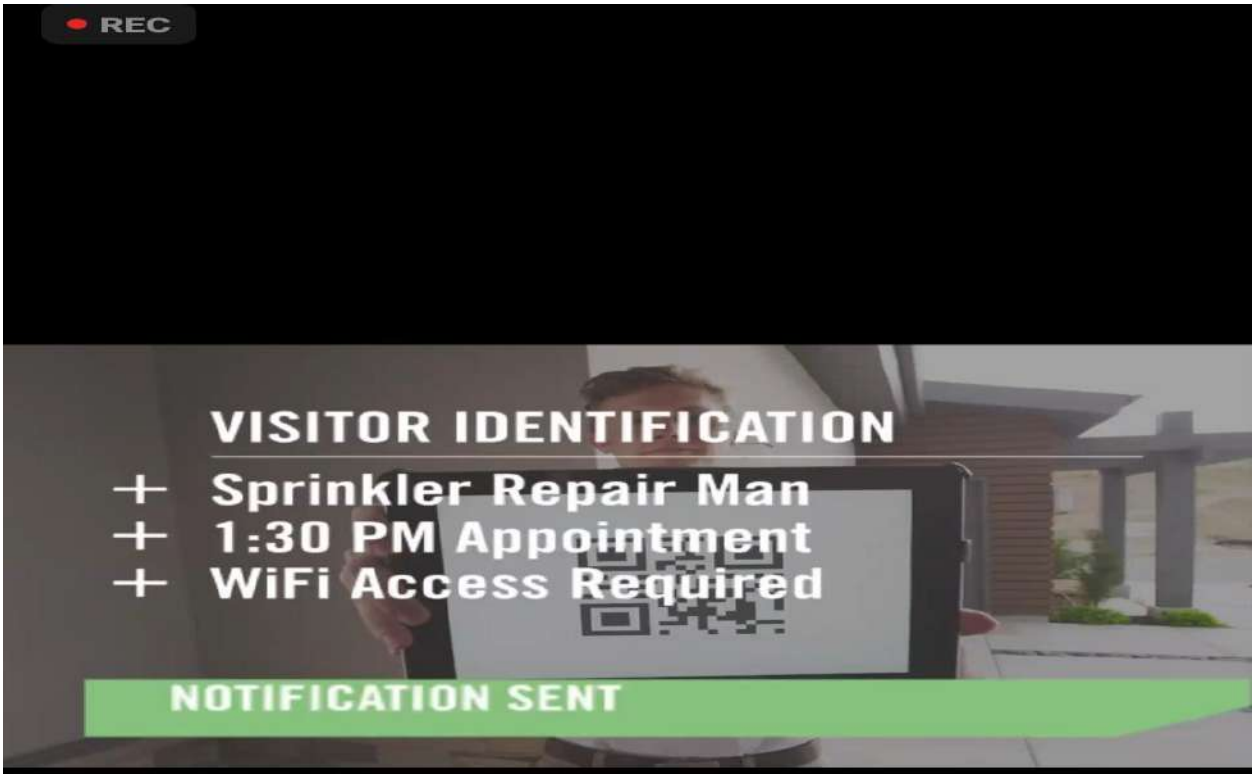
E-DRIVE "AUTOMATED VEHICLES FOR DISABLED AND MULTIPURPOSE ROBOT"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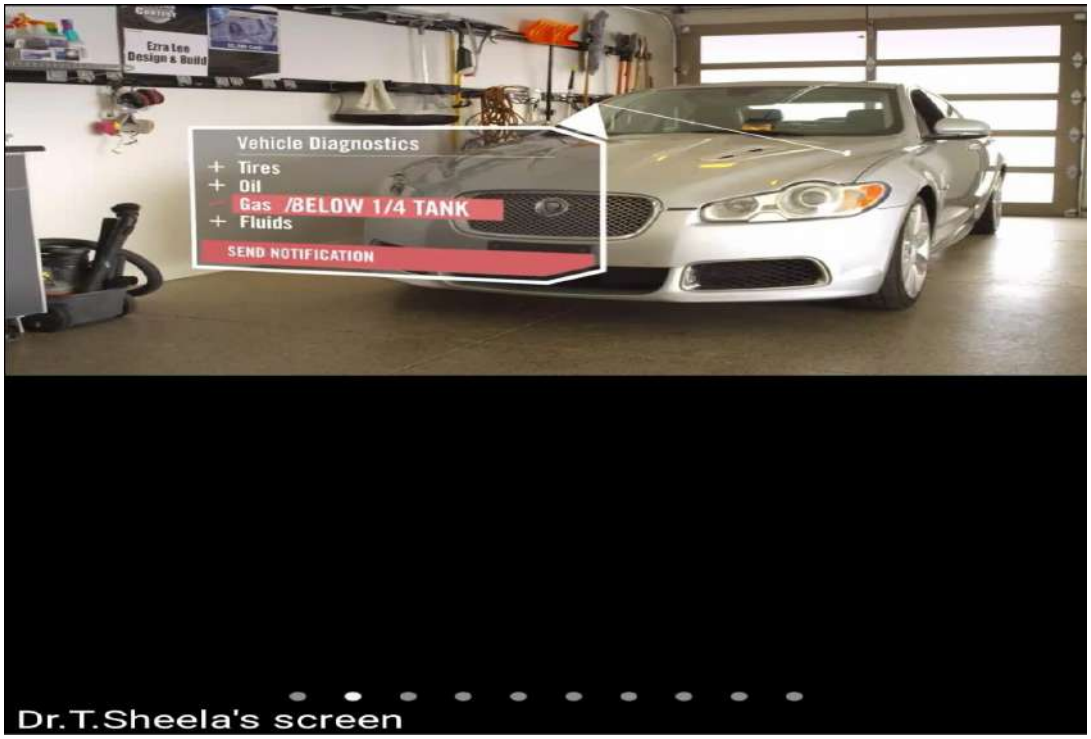
VISITOR IDENTIFICATION
+ Sprinkler Repair Man
+ 1:30 PM Appointment
+ WiFi Access Required
NOTIFICATION SENT

SPEED LIMIT 35
SPEED LIMIT: ADVISE



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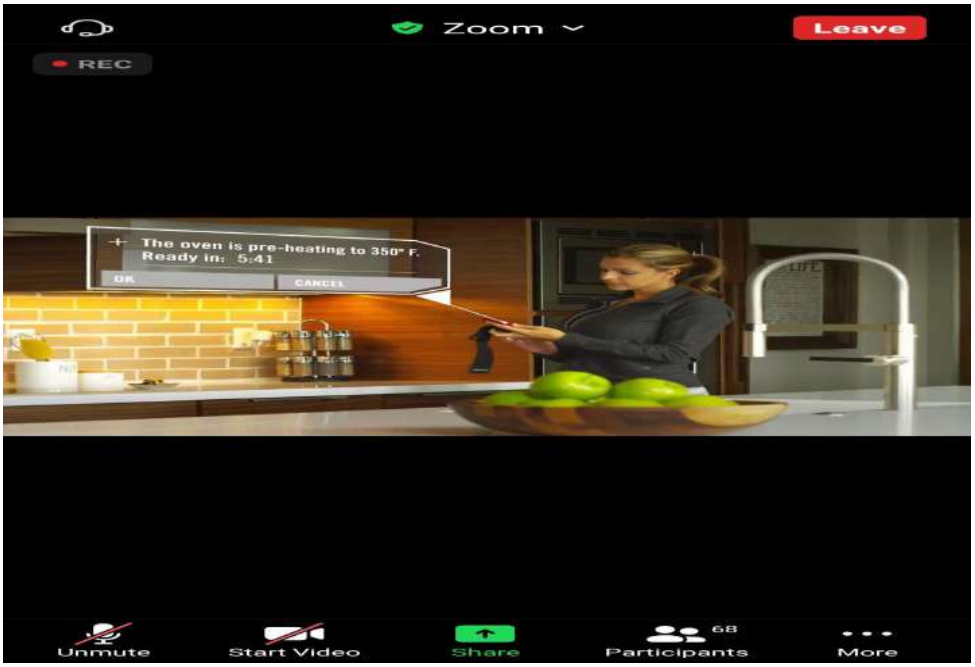
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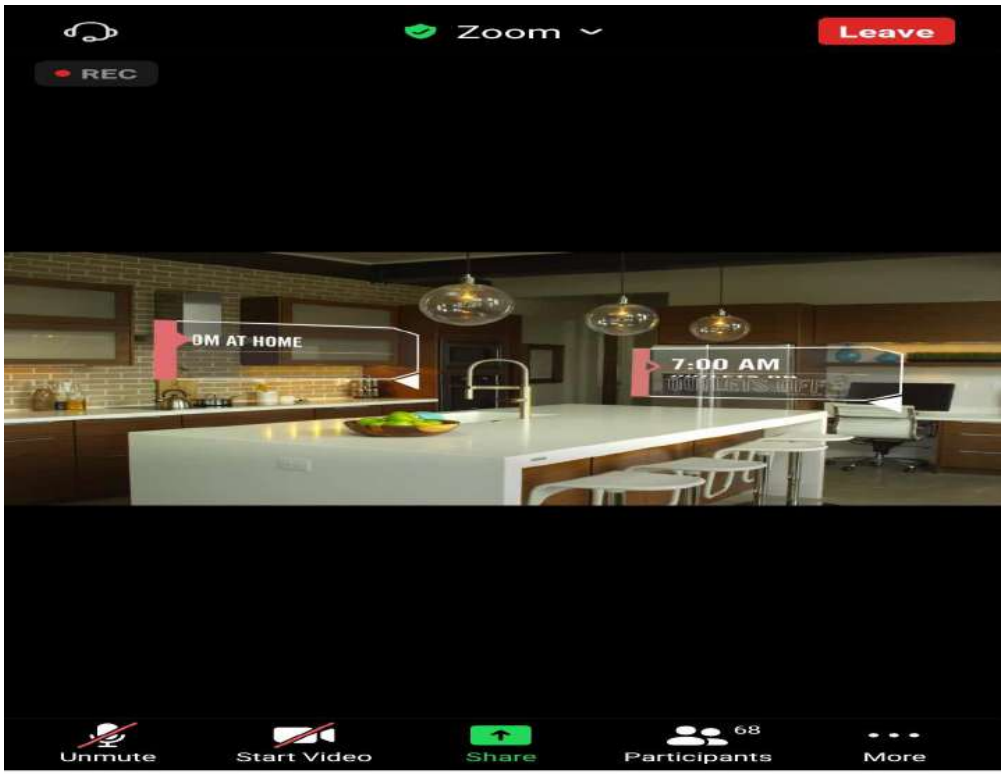
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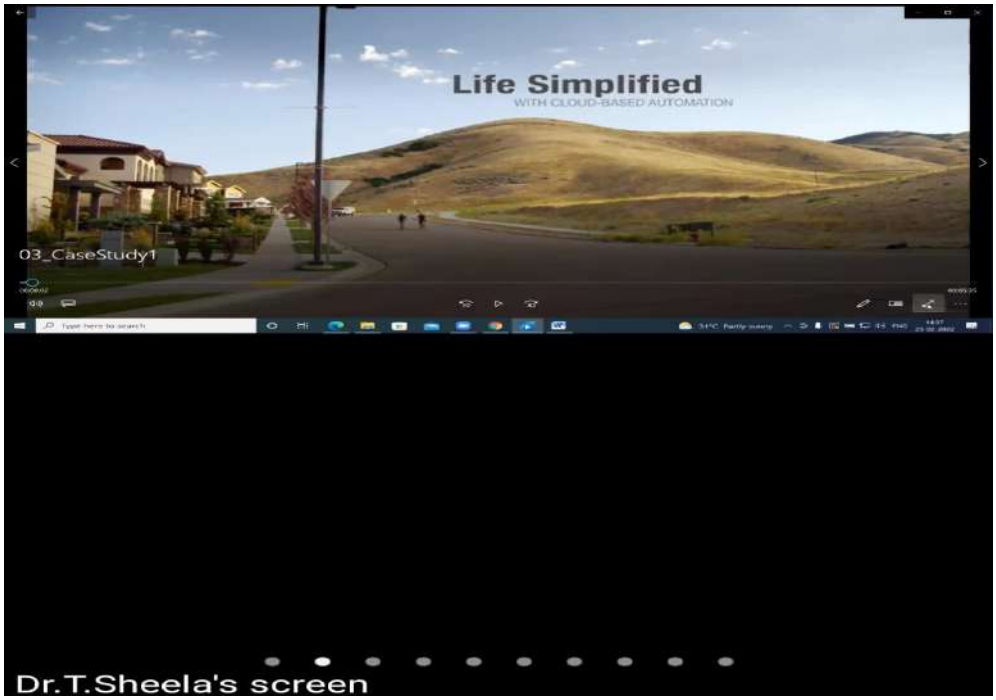
Life Simplified
WITH CLOUD-BASED AUTOMATION
03_CaseStudy1
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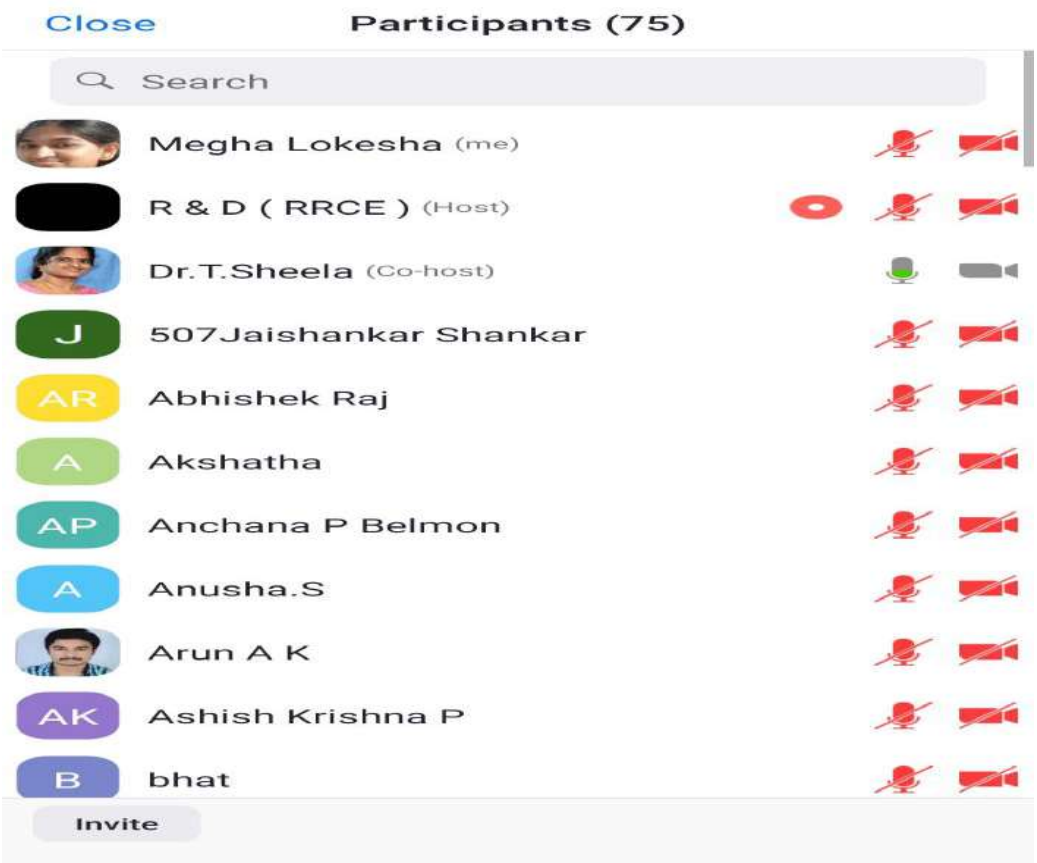
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Megha Lokesha (me)
R & D (RRCE) (Host)
Dr.T.Sheela (Co-host)
507Jaishankar Shankar
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Anchana P Belmon
Anusha.S
Arun A K
Ashish Krishna P
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