

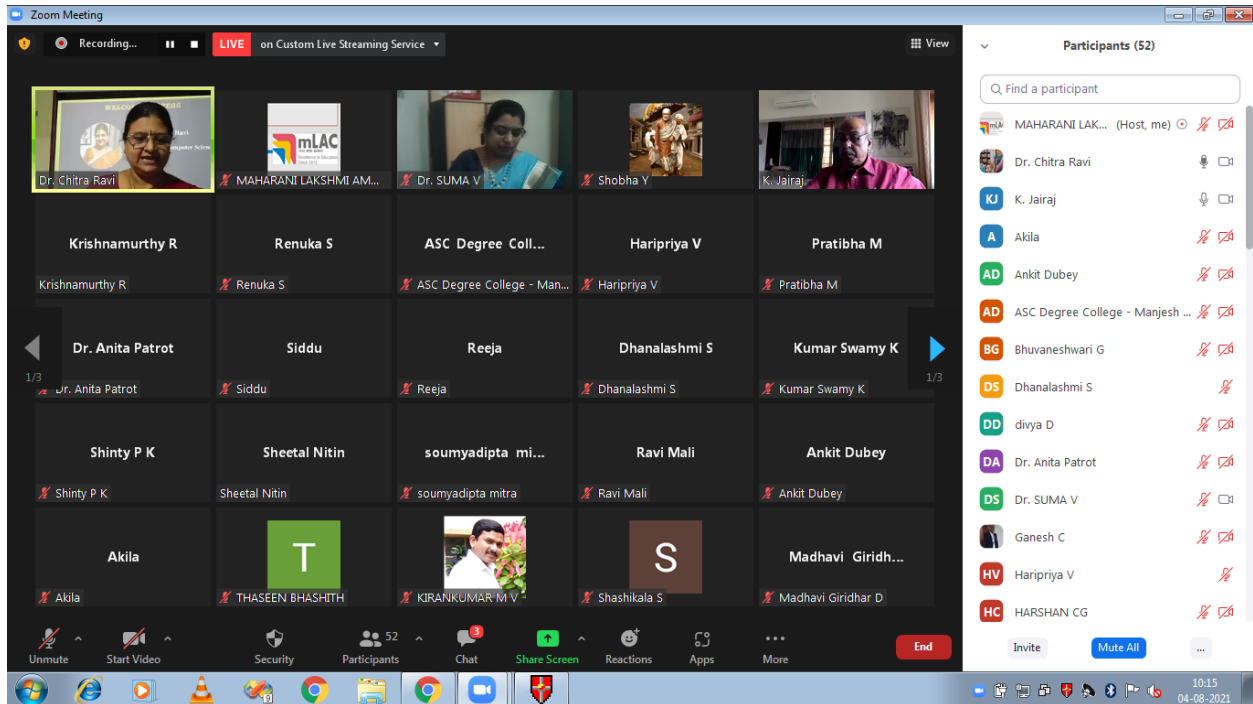
Title: Research Trends in Emerging Technologies

Date: 4th August 2021

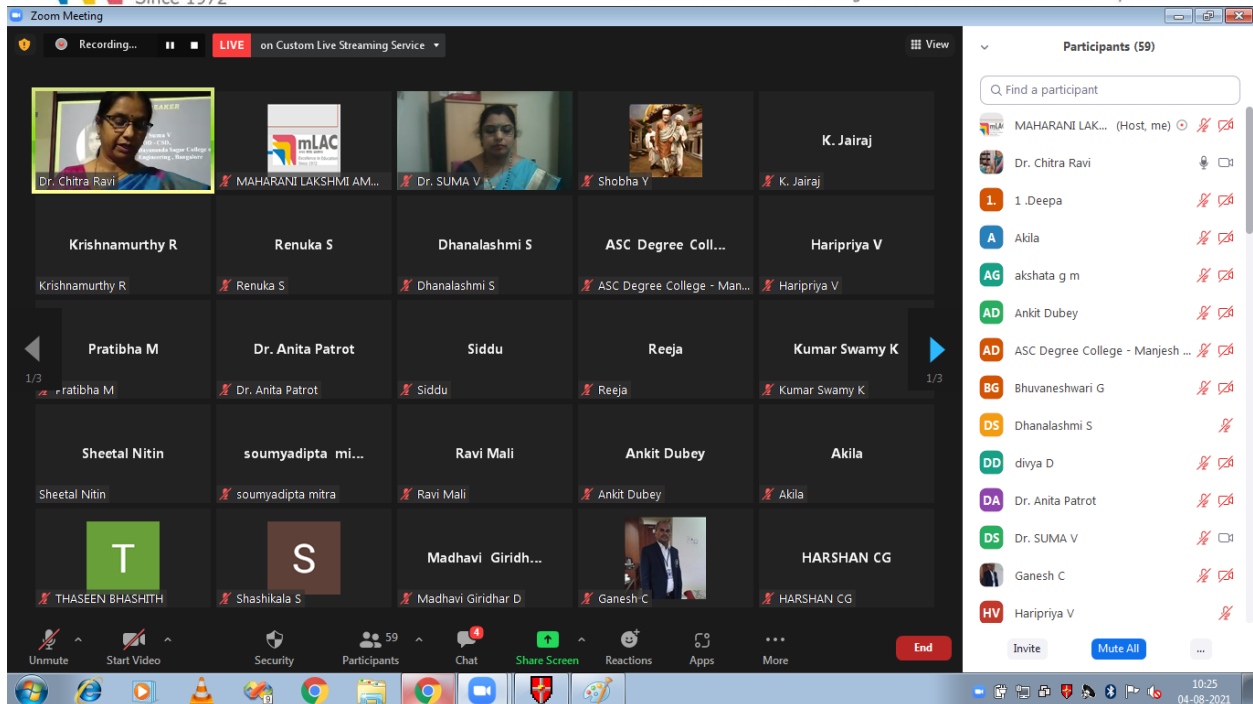
Resource Person: Dr. Suma V

**One Day National Level Webinar
 on
 “Research Trends in Emerging Technologies”
 4th August 2021**

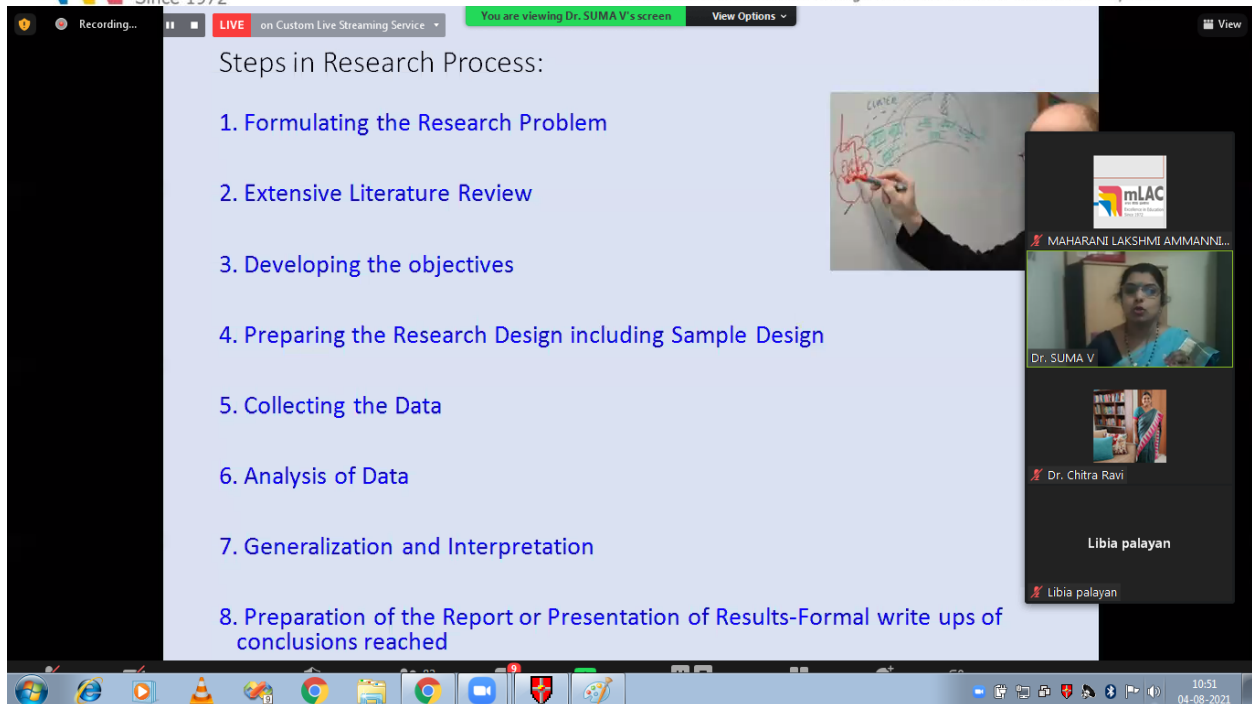
Department of Computer Science organized One Day National Level Webinar on “Research Trends in Emerging Technologies” on 4th Aug 2021. The webinar started with an opening remark delivered by Prof. Shambavi, Assistant Professor, mLAC. The program started with prayer song and virtual lighting lamp through the Zoom and YouTube link online. The overview and achievements of mLAC is given by the Dr. Shashikala A, principal, mLAC. Followed by welcome address from Dr. Chitra Ravi, HOD, Dept. of Computer Science, mLAC. The presidential address was given by the Shri K Jairaj, IAS (Retd.), Managing Trustee, mLAC, Bangalore.



Keynote address



Dr. Vijayalakshmi A Lepakshi, Associate Professor, mLAC introduced keynote speaker Dr. Suma V, HOD-Computer Science and Design, Dayananda Sagar College of Engineering, Bangalore. In this session, keynote speaker addressed participants on “Research Trends in Information Technology” and enlightened with new research areas in Emerging technologies. She emphasized importance of Research & Development in India and its position at the global level. Also, she emphasized that Research is not adhoc but it’s a journey. She motivated participants to think out of the box with an outcome of products for real life. Madam explained steps in Research process in a simple manner with an importance of literature review, so that we need not re-invent the wheel.



The screenshot shows a live streaming session. The main content is a presentation slide titled "Steps in Research Process:" with the following list:

1. Formulating the Research Problem
2. Extensive Literature Review
3. Developing the objectives
4. Preparing the Research Design including Sample Design
5. Collecting the Data
6. Analysis of Data
7. Generalization and Interpretation
8. Preparation of the Report or Presentation of Results-Formal write ups of conclusions reached

On the right side of the slide, there is a small video inset showing a person writing on a whiteboard. Below the slide, a video call interface is visible with participants: Dr. SUMA V, Dr. Chitra Ravi, Libia palayan, and another Libia palayan. The top of the window shows recording and live streaming status.

She enriched participants on intellectual property rights and how to generate revenue from innovative ideas. She gave an overview of various emerging technologies such as Block chain, UI/UX, Data Science, Cloud computing, IOT, Mobile computing Cyber security etc., and how cloud computing has changed the IT landscape for organization in the fields of Health care, Supply chain management and Smart city etc. She also highlighted Virtual reality, which has seen significant growth in the past few years. The adoption of rapidly developed technologies is promising for the IT industry. Q & A Session in YouTube streaming managed by Dr. Anita Patrot, Assistant Professor. Finally, the session ended with a discussion and vote of thanks by Dr. Vijayalakshmi A Lepakshi, Associate Professor, mLAC.

ONE DAY NATIONAL LEVEL WEBINAR

on

"RESEARCH TRENDS IN EMERGING TECHNOLOGIES"

at

DEPARTMENT OF COMPUTER SCIENCE
MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN (AUTONOMOUS)
Bengaluru-12

4th August 2021

A talk on

Machine Learning for Research problems

By

Shashidhar G. Koolagudi, NITK, Surathkal
koolagudi@nitk.edu.in

Session 1: "Machine Learning for Research problems"

The Resource person for session one was Dr. Shashidhar G Koolagudi, HOD-Computer Science and Engineering, NITK- Surathkal, keynote speaker was introduced by Prof Prathibha M, Associate professor and BSc Coordinator mLAC.

In this session Sir highlighted on different definitions for machine learning and why machine learning is important and three niches for machine learning are 1. Data Mining 2. Software applications that are difficult to program by hand 3. User modeling

Sir emphasized on learning process, ML applications like image processing, bioinformatics and also on different learning algorithms through interactive session.

Q & A Session in YouTube streaming managed by Prof. Bharathi D S, Assistant Professor, followed by vote of thanks by Prof. Prathibha M, Coordinator BSc Computer Science.

The Resource person for session 2 is Mr. Gauresh Shirodkar, Head Deep Learning Team, Flux Auto was introduced by Fg Offr Harish H, Associate Professor, mLAC.

He explained about various modules for autonomous vehicles like object detecting & tracking, Mission state estimation, Lane line detection, Traffic light detection, Drivable area segmentation. Depth estimation, weather classification, brake status etc., also Data Annotation tools along with videos for each module. He discussed various challenges included such as sensors, ML, Cost, Road regulations faced and social acceptability, but this technology will grow in the years to come.

