

**KLEF**  
**Department of EEE**  
**Report on Alumnus Guest Lecture**

**Title:** **Contextualized problem identification and solving** ~~STARTUP METHODOLOGYS~~

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**Date:** ~~28~~15-09-202110 ,

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**Resource Person:** ~~ANMOL AGARWAL~~ Mr. Sreeram Ravi,

**WEBEX LINK**

<https://kluniversity.webex.com/kluniversity/j.php?MTID=mb9207a0a46f791b61d26e8d08732f029><https://meetingsapae17.webex.com/meet/loveswararao>

**Faculty Coordinator:**s:

Dr. ~~P.S. VARMA~~ and Dr. ~~B.LOVESWARA-RAOK~~ Narsimha Raju



# KL (DEEMED TO BE UNIVERSITY) ALUMNI ASSOCIATION



CATEGORY I  
UNIVERSITY

KL ACCREDITED BY  
NAAC WITH A++

NIIT RANKED 39  
2021


41 YEARS OF  
EDUCATIONAL  
TRUST



**SPECIAL SESSION ON  
CONTEXTUALIZED PROBLEM  
IDENTIFICATION AND SOLVING**

**28<sup>th</sup> September 2021  
@ 7 PM to 8 PM**

Organized by  
KL, Deemed to be University



**Mr. Sreeram Ravi**

**Brief profile**  
Sreeram founded Eruvaka Technologies after taking closer look at severe problems faced by Aquaculture farmers. Prior to Eruvaka, he spent 6 years at Centillum Communications designing high performance semiconductor solutions for broadband access networks and helping customers deploy them. Sreeram obtained his B.Tech degree in Electrical Engineering from KL University, Vijayawada. Sreeram believes that cost effective technology solutions can transform Indian Agriculture and make it sustainable and profitable.

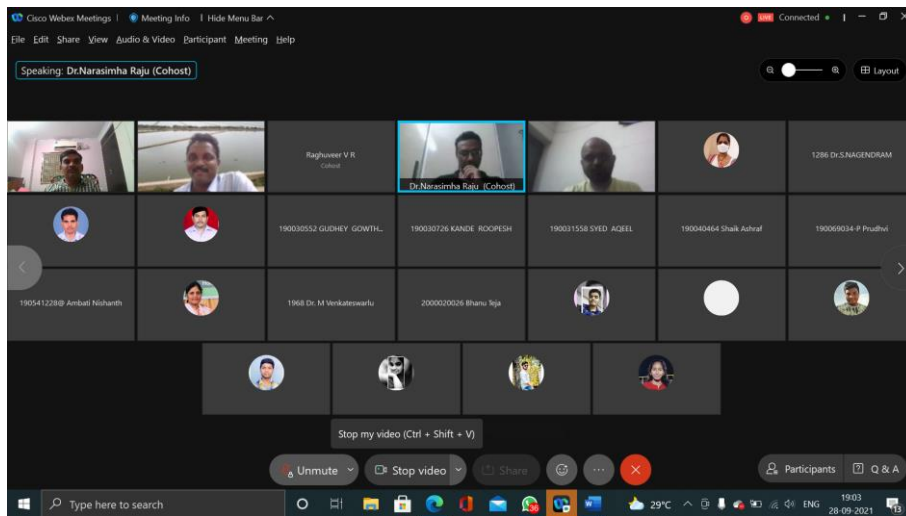
**Salient Features of Startup:**

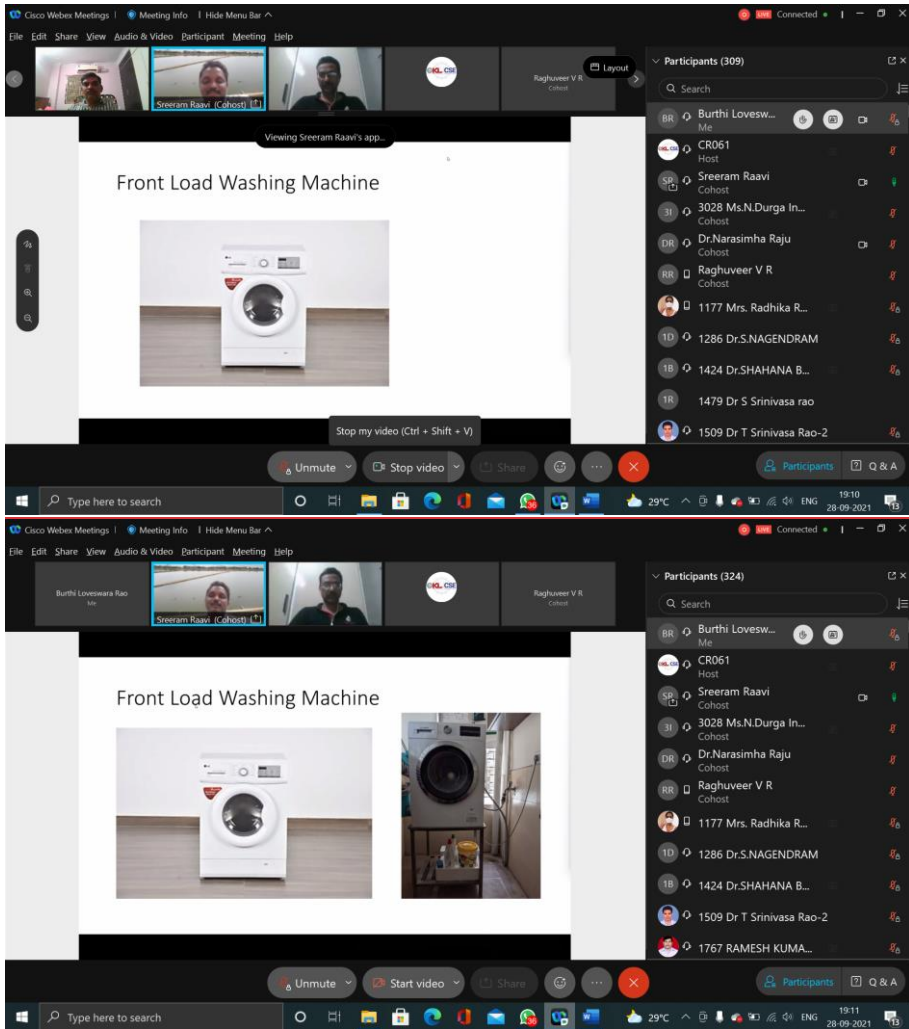
- **SMARTPHONE MONITORING:** Using mobile app farmers can monitor their pond data from smartphones, enabling the farmer to access data remotely to ensure the best output.
- **CLOUD ANALYTICS:** cloud analytic platform suggests farmers to adjust the feed based on water quality data on a regular basis, empowering them to get a better FCR (Feed Conversion Ratio).
- **REDUCE POWER BILL:** Intelligent algorithms control the aerators automatically based on DO levels. This leads to a reduction in power bills for farmers, thereby increasing their profit margin.
- **VOICE ALERTS:** When water quality drops, real time voice alerts are sent to the farmer's mobile, reduces the risk of shrimp mortality and increasing the quality of the produce.

As a part of design thinking and innovation-2 course, K L University planning some guest lectures given by our prominent Alumni.

Then coordinator Dr. K. Narsimha raju , introduce the resource person. The resource person Mr. Sreeram Ravi studied B.Tech in Electrical and Electronics Engineering, K L University. His role number is Y2EE225. The resource person highlighted the various possibilities to startup the industries for electrical

engineers. All possible interfacing techniques and corresponding methods are taken up. The session has enlightened participants on real picture of ERUVAKA Technologies. After that question and answer session is taken up for 20 minutes. Present second year students interacting Sreeram Ravi and clarified their doubts. Almost 1200 students and 120 faculty members are attended this gust lecture. Dean academics, KL University wishes the resource person.  
<https://www.forbesindia.com/article/startups/eruvaka-technologies-making-highrisk-highreward-aquaculture-farming-predictable/68541/1>.





Quick Facts on Eruvaka

Founded : 2012 at Vijayawada, Andhra Pradesh

Investors : Omnisware Partners, India & Nutreco, Netherlands

Designed 4 products from scratch to fit the needs of Shrimp Farmer

Driving the digitalization of Aquaculture around the Globe

1000+ Employees   85+ Countries   10,000+ Hectares covered   10,000+ Installations

Participants (452)

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CR061 Host

SRE Sreeram Raavi Cohost

3028 Ms.N.Durga In... Cohost

DR Dr.Narasimha Raju Cohost

15 1102 KROVI RAJA SE... Cohost

1177 Mrs. Radhika R... Cohost

10 1286 Dr.S.NAGENDRAM Cohost

18 1424 Dr.SHAHANA B... Cohost

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IoT for Shrimp Farming

Even though it's a multi-billion-dollar industry, shrimp farming still lacks the technology adoption and resource efficiency.

Eruvaka develops IoT devices and mobile-based decision tools for real-time monitoring and automation of aquaculture farms to reduce the risk and improve profitability of farms.

PondGuard Real-time Monitoring of DO, pH

FeedBotter Precise Automatic Feeder with Smart Controls

ShrimpTale Underwater Acoustics based Feeding System

PondOps Cloud based Pond Management Software

Participants (462)

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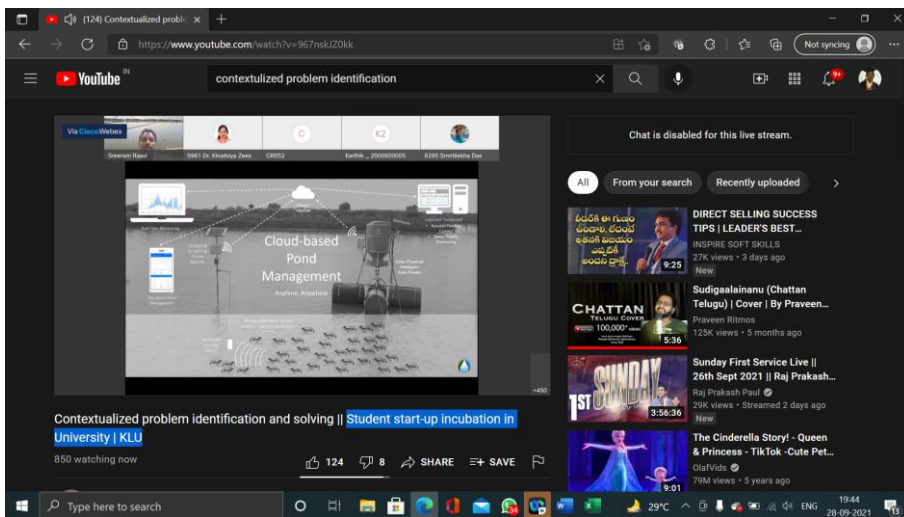
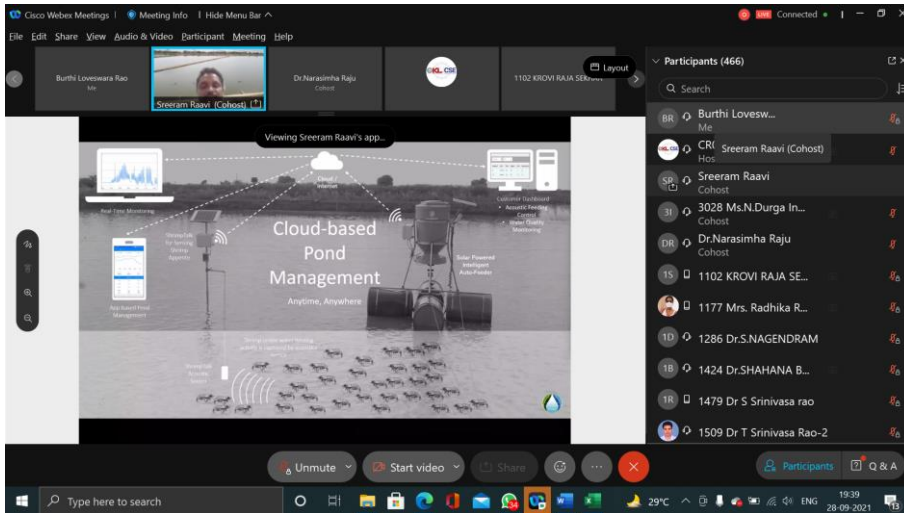
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