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SRI VENKATESWARA COLLEGE OF ENGINEERING

An Autonomous Institution – Affiliated to Anna University,
Pennalur, Sriperumbudur Tk – 602117, Tamil Nadu

DEPARTMENT OF CIVIL ENGINEERING

in association with



Luca Industries International

true technology.

Cordially invites you for an
International Webinar

On

**“Advanced Aerated Concrete Technology & its
Applications”**



Mr. Sivaram Kumar

Director, Technical Operations,

Luca Industries International GmbH,

Berlin,

Germany



Date: 29th September 2021

Time 2.00 to 3.30 pm

Register @ <https://forms.gle/dmZ2nSH34scYfCEw8>

Faculty Coordinator

Mrs. K. SathyaPriya

AP/ Civil

Convenor & Organising Secretary

Dr. R. Kumutha

Professor & Head / Civil



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SRI VENKATESWARA COLLEGE OF ENGINEERING

(An Autonomous Institution affiliated to Anna University,
Chennai)

Pennalur, Sriperumbudur Tk – 602 117

DEPARTMENT OF CIVIL ENGINEERING

Report of the Webinar on “Advanced Aerated Concrete Technology”



Indian Concrete Institute



Date : Monday, 29 September 2021

Time : 2.00 PM to 3.30 PM

Mode : Online through Google Meet

Meeting Link: <https://meet.google.com/mzu-dqvi-fma>

Speaker

Mr. Sivaram Kumar Director,
Technical Operations,
Luca Industries International GmbH,
Berlin,
Germany

Convenor & Organising Secretary

Dr.R. Kumutha, Professor & Head/Civil Engineering.

Coordinator

Ms.K.SathyaPriya, Assistant Professor/ Civil Engineering.

Target Audience : Students , Faculty members, Industry Persons

Number of Participants benefited: 38

Students : 17

Faculty : 17

Industry person : 4

PROFILE OF THE SPEAKER: Mr. Sivaram Kumar.

- He is working as Director – Technical Operations at Luca Industries International GmbH, Berlin, Germany, for the past 12 years.
- Earlier, he was working at various organisations in New Delhi including Feedback Ventures Private Limited, one of the reputed and leading consultancy company on Roads, Bridges and Environment in India.
- He completed his Master's in Environmental Engineering at Technical University of Hamburg-Harburg in Germany. Earlier, he did his Post Graduate Diploma in Operations Research at College of Engineering, Guindy campus, Anna University, Chennai. He completed his UG in Madurai Kamaraj University with University 6th rank.
- He is a Life Member of Indian Concrete Institute.
- He is specialized in Light Weight Concrete Especially Foam based Aerated Concrete.
- His Company Luca Industries International is a world-renowned company in Bio-Technology based Foaming agents and supplying High Quality equipment, additives and technology to produce Light Weight Aerated Concrete under the brand name of “LithoPore” & “LithoFoam”.
- Luca Industries International is the only company in the world that has developed the technology to produce concrete of just 75 Kg/m³ density, whereas the conventional concrete is 2400 Kg/m³ density to compare with, which is 32 times lighter than normal concrete.

Brief Report of the Webinar:

The webinar started with a note on the importance of light weight concrete by Ms. K. SathyaPriya, Assistant Professor / Civil Engineering. She has welcomed the participants and speaker. She has introduced the speaker “Mr. Sivaram Kumar” to the participants.

The speaker explained about the lightweight concrete and its production. He discussed about the chemical additives. He made a comparison between the ordinary foaming agents with lithopore.

The students, faculty and industry persons were participated in the webinar. The session was interactive, and the questions raised by the participants were answered by the speaker. The session ended with a vote of thanks delivered by Ms. Neha Govindamurali, ThirdYear Student/ Civil Engineering. The participants also had appreciated the webinar.

SNAPSHOTS OF THE WEBINAR

REC | SVARAMKUMAR SUBRAMANIRAJA is presenting

Content

1	Types of Lightweight Concrete
2	Definition
3	Composition & types of Ingredients
4	Manufacturing Process
5	Properties & Advantages
6	Applications

2:07 PM | Webinar On "Advanced Aerated Concrete ..."

REC | SVARAMKUMAR SUBRAMANIRAJA is presenting

LithoPore® vs. ordinary foamed concrete

How is Aerated Concrete different from LithoPore®?

	LithoPore®	Ordinary foamed concrete
Foaming agent type	Synthetic protein (acidic)	Estimate protein of animal based
Further additives	Networkformer, Stabilizer	none
Foaming system	Low pressure (energy saving) 3 Bar process	Compressed air system, more than 3 Bar process
Density range	75-800 kg/m ³	200-800 kg/m ³
Compressive strength (800 kg/m ³)	3-4 MPa	1-2 MPa
Stability	High	Low
Equipment	Complete system	Incomplete system
Local raw material quality	Will be considered individually	It's not respected sufficiently

2:32 PM | Webinar On "Advanced Aerated Concrete ..."

REC | SVARAMKUMAR SUBRAMANIRAJA is presenting

Chemical Additives

Foaming Agent

- LithoFoam® SL 200-L
- LithoFoam® SL 250-L

Networkformer

- LithoFoam® NWF S
- LithoFoam® NWF NT

Others

- LithoFoam® MRF 2000-S (Stabilizer)
- LithoFoam® CC (Accelerator)
- LithoFoam® SPO (Hydroretrocur adwet)

2:40 PM | Webinar On "Advanced Aerated Concrete ..."

List of Participants

S.No	Name of the Participant	Name of the Institution/Industry	Category
1	Sathya Priya K	Sri Venkateshwara College of Engineering	Faculty
2	Hariharan K	Kamaraj College of Engineering and Technology	Faculty
3	Sangeetha R	Kamaraj College of Engineering and Technology Madurai	Faculty
4	Aravind M R	Casa Grande Civil Engineering Pvt. Ltd.	Industry Participant
5	S Thahira Banu	Kamaraj College of Engineering And Technology	Faculty
6	Subahar Mohan	Kamaraj college of Engineering and Technology	Faculty
7	P Ponkarthikeyan	Kamaraj College of Engineering and Technology	Faculty
8	Dr.A. Karthik	Kamaraj College of Engineering and Technology	Faculty
9	N Jegan Durai	Kamaraj College of Engineering and Technology Madurai	Faculty
10	Keerthi Vaasan R	Sri Venkateswara college of engineering	UG Student
11	Ramanan.B.B	Sri Venkateswara College of engineering	UG Student
12	Krishnaveni P	SSM institute of engineering and technology	UG Student
13	Rohan lewis	Sri venkateswara college of engineering	UG Student
14	Kavinselva P	Sri Venkateswara College of Engineering	UG Student
15	Murali Manogar Joshi	Sri Venkateswara College of engineering	UG Student
16	Mohamed shafeen	Sri Venkateswara College of engineering	UG Student
17	Padmanaban N	Sri Venkateswara College of engineering	UG Student

S.No	Name of the Participant	Name of the Institution/Industry	Category
18	Aurudra Adisheshaiah krishna	sri venkateshwara college of engineering	UG Student
19	Vivedhitha Varshini A G	SVCE	UG Student
20	S.Tamilselvan	SSM Institute of Engineering And Technology	UG Student
21	Logeshwari R	Sri Venkateswara College of Engineering	UG Student
22	S.Rishi	SSM Institute of Engineering And Technology, Dindigul	UG Student
23	Ramana R	Sri Venkateswara College of engineering	UG Student
24	Sumesh Erikandath	Kingspan	Industry Participant
25	Manonmani A	SSM institute of engineering and technology	UG Student
26	K. Rohini	SSM Institute of Engineering And Technology, Dindigul	UG Student
27	R.kishor	SSM Institute of Engineering And Technology, Dindigul	UG Student
28	Deepa.B	Kamaraj College of Engineering and Technology	Faculty
29	Diravia Balan S	Sri Venkateswara College of Engineering	Faculty
30	R.kishore kumar	ssm institute of engineering and technology	UG Student
31	T lalith kumar	Sri Venkateswara College of Engineering	UG Student
32	Kavinmalar K	Sri Venkateswara College of Engineering	UG Student
33	Bharanidharan. B	Sri Venkateswara College of engineering	UG Student
34	Gokul K	Sri Venkateswara College of engineering	UG Student
35	A.Vignesh	Sri Venkateswara College of engineering	UG Student

S.No	Name of the Participant	Name of the Institution/Industry	Category
36	K.M.Basanth Babu	P.S.R Engineering College (Autonomous), Sivakasi 626 140	Faculty
37	Rohit	Sri Venkateswara College of Engineering	UG Student

CERTIFICATE SAMPLE

SVCE | Sri Venkateswara College of Engineering
Autonomous - Affiliated to Anna University
Pennalur, Sriperumbudur, Tamil Nadu | www.svce.ac.in
Department of Civil Engineering
Certificate of Participation

35 Years of Excellence

This is to certify that **Mr. A.Vignesh** has participated in the **“International Webinar on Advanced Aerated Concrete Technology & its Applications”** organized by the Department of Civil Engineering, Sri Venkateswara College of Engineering on 29.09.2021.

[Signature]
Ms. K. SathyaPriya
AP / Civil Engineering
Coordinator

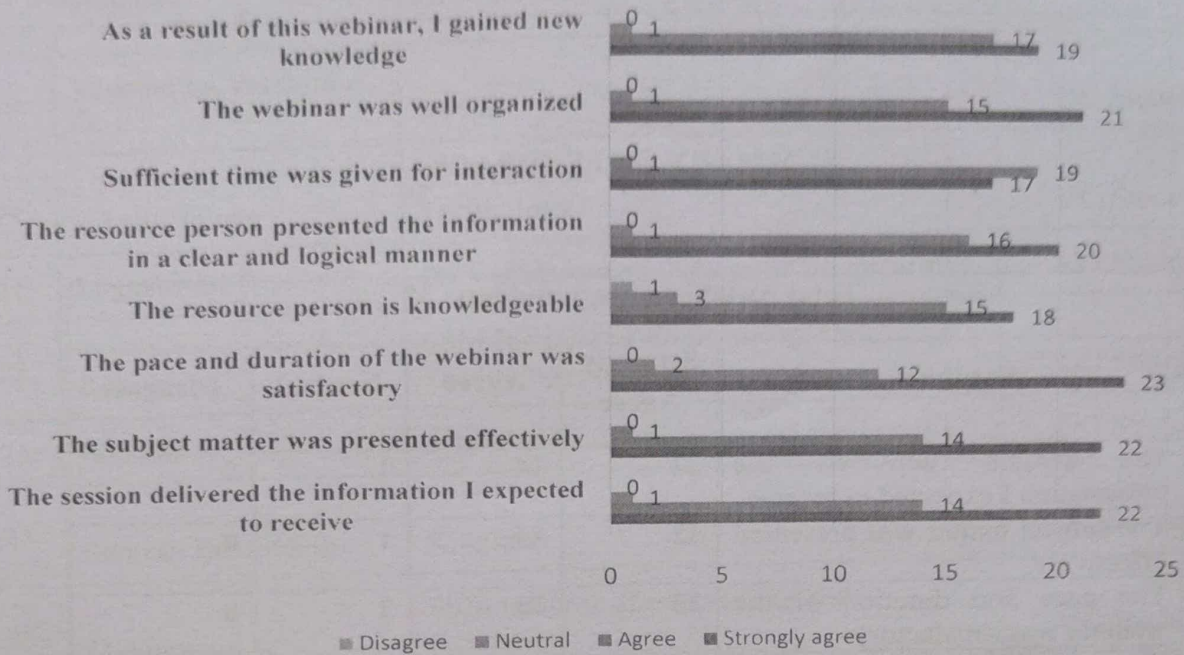
[Signature]
Dr. R. Kumutha
Professor & Head / Civil Engineering
Convenor & Organizing Secretary

Top Ranked Affiliated Institution in Tamil Nadu | 5/5 Star Rated Innovation Cell | Recognized Incubation Center | Certified Organization

SUMMARY OF FEEDBACK

Total Number of respondents: 37				
Feedback	Strongly Agree	Agree	Neutral	Disagree
The session delivered the information I expected to receive	22	14	1	0
The subject matter was presented effectively	22	14	1	0
The pace and duration of the webinar was satisfactory	23	12	2	0
The resource person is knowledgeable	18	15	3	1

SUMMARY OF FEEDBACK



Additional comments/feedback from participants:

- Session was good and informative.
- Well organized webinar

Sathyapriya K
Prepared by

Ms.K.Sathyapriya (AP/Civil Engg.)
Coordinator

Dr.R. Kumutha
Approved By

Dr.R. Kumutha (HoD /Civil Engg.)
Convenor & Organising secretary