



**Department of Civil Engineering
&
Civil Engineering Association**

Solicit your esteemed presence for the
Inaugural Function
Of

“ARTIFEX 2021”

A National Level Technical Symposium

by

Mr.Avinash CKR

Environmental Consultant

AECOM, Bangalore

Date : 21-05-2021 (Friday)

Time: 09.00 AM

Gmeet Link: <https://meet.google.com/fuo-qpri-htxT>

Further details are on our Website: www.sites.google.com/view/artifex2021





AGENDA

INAUGURATION

- 9:15am - 9:20am** Invocation
- 9:20am - 9:25am** - Welcome address **Mr.Vikash CK** ,President,/CEA
- 9:25am - 9:30am** - Introduction to Chief guest **Mr.Abishek Murali**
General Secretary /CEA
- 9:30am - 10:30am** -**Inaugural Address & Technical Talk on**
Environmental Remediation- Scope and
Approach by **Mr.Avinash CKR** nvironmental
Consultant **AECOM,Bangalore**

EVENTS

- 10.30 am - 12:30pm** - Paper presentation
- 11:00am - 12:00pm** - Build-O-Quiz
- 12:30pm - 1:30pm** - Linkathron
- 1:45pm - 2:45pm** - Mad Over Marketing
- 3:00pm - 3:45pm** - Workshop on 3D Printing

Mr.Sriram Renganathan,
TVASTA Manufacturing Solutions





VALEDICTORY

- 4:00pm - 4:05pm - Welcome Address** Ms. Monisha,
Senior Executive Member/CEA
- 4:05pm - 4:15pm - Valedictory Address** Dr.R.Kumutha
Professor & Head / CVE
- 4:15pm - 4:30 pm - CEA Annual Report** Mr.Kalaivannan R
Mr.Hariswaran S
Asst Professor / CVE
- 4:30pm - 4:40pm - Prize Distribution** Dr.R.Kumutha
Professor & Head / CVE
- 4:40 pm - 4:45pm- Vote of Thanks** Ms. Arshiya,Joint Secretary/CEA





SRI VENKATESWARA COLLEGE OF ENGINEERING
(An Autonomous Institution – Affiliated to Anna University, Chennai)
Pennalur, Sriperumbudur – 602117



DEPARTMENT OF CIVIL ENGINEERING
CIVIL ENGINEERING ASSOCIATION (CEA)

REPORT OF ARTIFEX'21- WORKSHOP

Date, Time & Meeting URL Link

Date : Friday, 21st May 2021

Time : 3:00 pm – 3:45 pm

Mode : Google Meet (Online)

Meeting Link : <https://meet.google.com/xnu-dufq-ide>

Student Coordinator(s):

1. Mr.Abishek Murali (IIIrd year Civil Engg.)
2. Ms.Arshiya A S (IInd year Civil Engg.)

Faculty Coordinator(s):

- 1) Mr.Kalaivannan R Assistant Professor, ,Dept of Civil Engg ,SVCE
- 2) Mr.Hariswaran S Assistant Professor, Dept of Civil Engg. ,SVCE

Convenor :

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

Target Audience:

BE/Btech/Diploma Students and Faculties

Host:

Ms. Arshiya AS (IInd year Civil Engg.)

Participation:

Number of Participants benefited : 94

Faculty : 8

Research Scholars : Nil

UG Students : 86

Industry Persons : Nil

Others : Nil

BROCHURE



WORKSHOP ON AUTOMATION OF CONSTRUCTION PROCESS USING 3D PRINTING

By
Mr. Sriram Renganathan,
Product Manager,
Tvasta Manufacturing solutions.



3.00pm - 3.45pm

Tvasta Manufacturing Solutions, an IIT Madras alumni founded startup, took the initiative and built " Indias First 3D Printed house" in five days. The house was inaugurated by Union Finance Minister, Nirmala Sitharaman.

Participation Certificate will be provided

Abishek Murali - 87549 99315
Arshiya - 9047016574

Registration Link : <http://bitly.ws/dj9T>

Gmeet Link: <https://meet.google.com/fuo-qpri-htx>

BRIEF REPORT OF WORKSHOP

CIVIL ENGINEERING ASSOCIATION AND THE DEPARTMENT OF CIVIL ENGINEERING OF SVCE had organized a workshop on the highly trendy **3D printing**. The workshop was held from **3 to 3.45 PM in Google Meet** on **21st May, 2021** for the B.E/BTech/Diploma Civil Engineering students.

The event was coordinated by Mr. Abishek Murali (General Secretary) of 3rd Year, Ms. Arshiya AS (Joint Secretary) of 2nd Year. The Workshop was host by Ms. Arshiya AS. Students from various colleges of India had actively taken part. The event was commenced at 3:00 pm by welcoming the Speaker and participants.

We had **Mr. Sriram Renganathan** as the speaker to detail about 'Automation of Construction Process using 3D printing'. He started off with what is it and gave a proper definition. Then he went on to explain Process flow of concrete 3D Printing and Production of Concrete 3d Printer. He also elucidated the construction process of 3D Printed wall, roofs etc of India's First 3D Printed House.

More than 90 students took the benefit of the workshop. The students showed great interest and enthusiasm in understanding about the working of different designs can be possible on 3D printer which is not possible on ordinary construction.

He also discuss the present scenario of 3D printing technology in the world market and how it is important to budding engineer to learn the latest technology. As of next May 2022, additive manufacturing systems were on the market and were employed in industries including aerospace, architecture, automotive, defense, and medical replacements, among many others. He clearly stated the need for housing in rural India and How Tvasta's C3DP technology systems are used for rapid prototyping, before mass production methods are employed.


Lastly, there was a brief networking session wherein students majorly got their doubts cleared. The vote of thanks was delivered by Ms. Neha G (Junior Executive Member) The workshop turned out to be a fruitful event with large enthusiastic participation and received wonderful feedback with this we came to the end of the workshop.

SNAPSHOTS OF THE EVENT

Sriram Renganathan is presenting

15:21

India's First 3D Printed House



- Completely 3D Printed 460 sqft. house
- Off-site concrete 3D printing
- Collaborative effort of IIT Madras, Habitat for Humanity and Tvasta

Nitesh M has left the meeting

Participants: Sriram Renganathan, Nitesh M, HARISWARAN S, KALAIVANNAN R CVE, HOD Civil SVCE, Roger Benadict, ashrith balasubram..., RAMANAN BB CE, Jeya Rubal Nancy A..., PRAVEEN KUMAR D...

Meeting details ^

Icons: Mute, Video Off, Screen Share

Raise hand


Sriram Renganathan is presenting

Sriram Renganathan is presenting

19TUCV004 ASWINRAM.S RABAKA... and 74 more

15:14

TVASTA - BUILDING FOR A BILLION



< 13 >

Participants: Sriram Renganathan, Roger Benadict, ashrith balasubram..., Jeya Rubal Nancy A..., LALITH KUMAR T CE, HARIHARAN V CE, RAMANAN BB CE, HARISWARAN S, HARSHAVARTHANI..., KAVINSELVA P CE

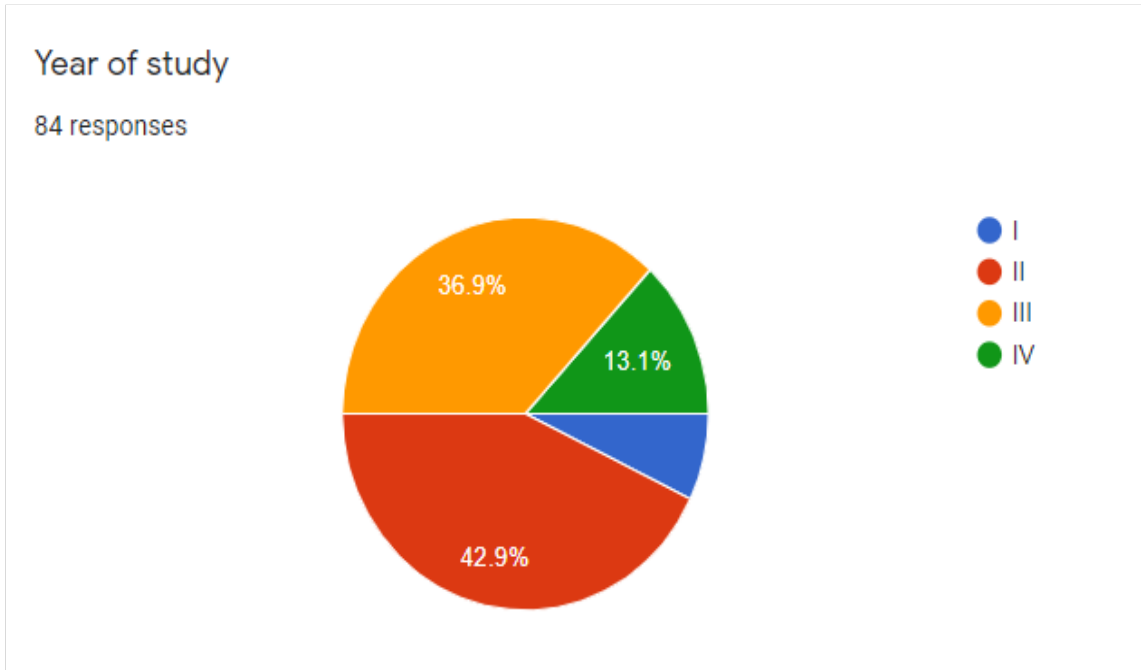
Meeting details ^

Icons: Mute, Video Off, Screen Share

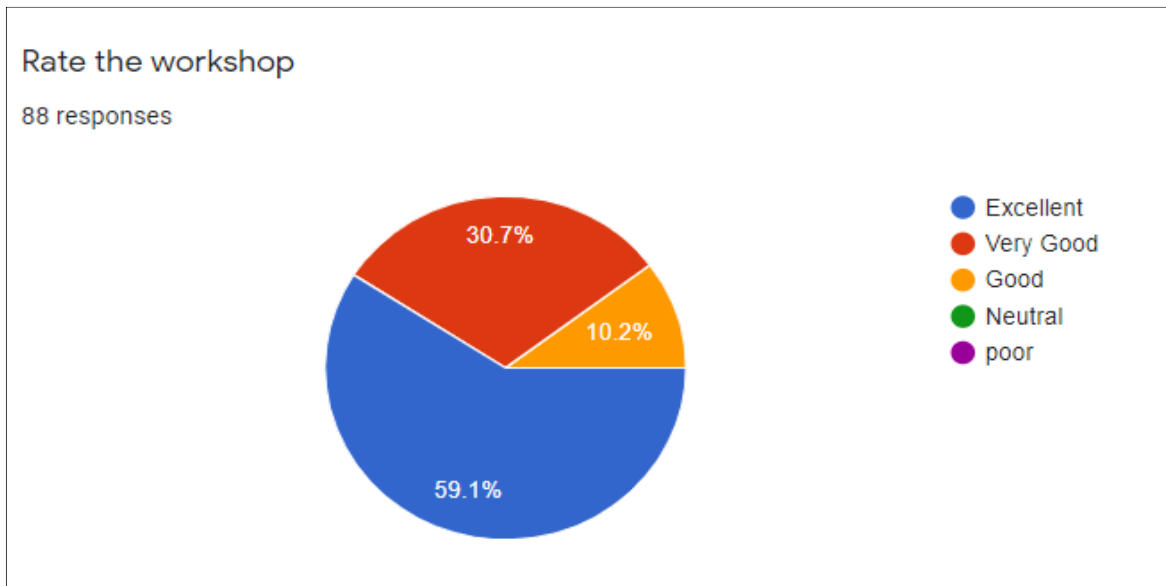
Raise hand

Sriram Renganathan is presenting

YEAR OF STUDY :



SUMMARY OF FEEDBACK :



LIST OF PARTICIPANTS

Name (CAPS)	Name of College	Year of study	Rate the workshop
J Dhanush Aurobindo	Svce	II	Excellent
Prakki Jaya Raghu Lakshmi Pavani Susmitha	Velagapudi Ramakrishna Siddhartha Engineering college	IV	Excellent
UDHAYAKUMAR K	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	IV	Very Good
HEMALATHA R	Sri Venkateshwara College of Engineering	II	Very Good
Sanghavi S	RMK engineering college	III	Very Good
MAGENDRA KAMALNATH S A	SSN COLLEGE OF ENGINEERING	I	Excellent
Supraja G.S	Sri Venkateswara college of Engineering	II	Excellent
GOKUL R	Sri Venkateswara engineering College	III	Excellent
M Shanthasheela	Nadarsaraswathi College of engineering and technology	III	Good
LOGESHWARI R	Sri Venkateswara College of engineering Sriperumbudur	III	Very Good
SRINIDHILN	SSN COLLEGE OF ENGINEERING	I	Excellent
SAMPRUTH PIRABAKARAN	SRI KRISHNA COLLEGE OF TECHNOLOGY,COIMBATORE	IV	Excellent
GOKUL K	Sri Venkateswara College of engineering	II	Very Good
NITESH M	SSN	I	Excellent
YOGASREE MUTHUSAMY	SSN College of Engineering	I	Excellent
M.ALICE JESENTHA RANI	Panimalar engineering college	III	Excellent
ABHISHEK K P	Amrita college of engineering and technology erachakulam Nagercoil	II	Excellent
JANANI.M	PANIMALAR ENGEERING COLLEGE	III	Very Good
DEEPAK SINGH U	Amrita college of engineering and technology	II	Excellent
SOWMIYA V	KONGU ENGINEERING COLLEGE	III	Excellent
REEYA PRADHAN	Surendra institute of engineering and management ,West Bengal	IV	Excellent
R.HUMSA VARDHANA	Sri venkateswara college of engineering	II	Very Good
ASWIN RAM S	SRI KRISHNA COLLEGE OF TECHNOLOGY	II	Very Good
Guru prakash k	Sri Venkateswara College of engineering	II	Good
A.AISHWARYA	Panimalar Engineering College	III	Excellent
G.SARAVANAPANDI	Sri Venkateshwara college of Engineering	II	Very Good
PRIYADARSHINI.P	Panimalar Engineering College	III	Very Good
SHARAN KARTHICK VM	Sri Krishna College of Technology	IV	Excellent
GOGULA CHEZHIAN.N	Sri venkateshwara college of engineering	II	Excellent
AURUDRA ADISESHIAH KRISHNA	Sri venkateswara collage of engineering	I	Excellent
KIRUTHIGA S	SRI VENKATESHWARA COLLEGE OF ENGINEERING	III	Very Good
H.NAGHINA BAANU	PANIMALAR ENGINEERING COLLEGE	III	Excellent
RINU ISAH R J	Bharath Institute of Higher Education and Research		Excellent
SADAKANI DKHAR	Bharath Institute Of Higher Education And Research	III	Excellent
S.GOWTHAM	Sri Venkateswara College of Engineering	II	Excellent
PETCHIKKAN M	PET ENGINEERING COLLEGE		Excellent
Srivishnu H	Kongu Engineering College	III	Very Good
V.THENMOZHI	Nadar saraswathi college of engineering and	III	Excellent

	technology		
MANISH KUMAR	Velagapudi Ramakrishna Siddharth engineering College	II	Very Good
HASANTHIKA.M	PANIMALAR ENGINEERING COLLEGE	III	Excellent
KANISHGA PREETHEVI.S	Nadar Saraswathi College of Engineering and Technology	IV	Excellent
DINESHWARAN R	Panimalar engineering college	III	Very Good
Dr.Abdussalam Ali Ahmed Douma	Bani Waleed University	IV	Very Good
SRILEKHA N	Sri venkateshwara college of engineering	I	Excellent
B. DIVYA BHARATHI	RMK Engineering College	III	Excellent
KEERTHI VAASAN R	Sri venkateswara college of engineering	II	Excellent
VIGNESH A	Sri Venkateswara College of engineering	II	Excellent
P RUBINA SWEETLIN	PANIMALAR ENGINEERING COLLEGE	III	Very Good
ROHIT V	Svce	II	Good
V.HARIHARAN	SRI VENKATESWARA COLLEGE OF ENGINEERING.	II	Excellent
PRIYADARSHINI M	RMK ENGINEERING COLLEGE	III	Good
GOPINATH A V	SVCE	II	Excellent
SIDDHARTH J U	Sri Venkateshwara College of Engineering	II	Excellent
ANTO NEVIS PRESENTIA.A	National Engineering College,Kovilpatti	III	Excellent
G.HARSHAVARTHANI	Sri Venkateswara College of Engineering	II	Excellent
A.VIJAY VIGNESH	Sri Venkateswara College of Engineering		Excellent
S.PRIYADHARSHANI	Sri Venkateswara College of engineering	II	Very Good
T.M.B CIDAMBARAM	Amrita College of Engineering and Technology	II	Excellent
A ROHAN LEWIS	Sri Venkateswara collegee of engineering	II	Very Good
DINESH BABU K	SRI VENKATESHWARA COLLEGE OF ENGINEERING	III	Very Good
VIJAYALAKSHMI.S	PANIMALAR ENGINEERING COLLEGE	III	Very Good
A.Jenisha	Sri Venkateswara College Of Engineering	II	Excellent
R.SAMSON NEWMANPROMOTH	PANIMALAR ENGINEERING COLLEGE	III	Excellent
KODELA HARSHAVARDHAN	VRSEC	II	Very Good
KAVINSELVA P	SRI VENKATESWARA COLLEGE OF ENGINEERING	II	Very Good
POORNIMA M	Bannari Amman institute of technology	IV	Good
SRIDHAR S	Bannari Amman institute of technology	III	Good
CHELLA KARTHIK S	SRI VENKATESHWARA COLLEGE OF ENGINEERING	III	Very Good
MOHAMED SHAFEEN	Sri Venkateswara College of engineering	II	Excellent
M.SANKAR	Amrita College of engineering and technology	II	Excellent
ANITHA. K	Panimalar Engineering College	III	Good
M. POOVARASI	Nadar Saraswati College of Engineering and Technology		Excellent
B.INDHUJA	Panimalar engineering college	III	Excellent
RAGHAVKUMAR. M	BHARATH UNIVERSITY, CHENNAI	IV	Excellent
MOHAN K	National Engineering College, Kovilpatti.	III	Excellent
SRUTHI MADHURI MAJETI	Velagapudi Ramakrishna Siddhartha Engineering College	II	Excellent
R.P.KOWSALYA DEVI	PANIMALAR ENGINEERING COLLEGE	III	Very Good
DHARSHINI G	SRI VENKATESWARA COLLEGE OF ENGINEERING	III	Excellent
Khalleefah Majhoud Arhoumah	كلية الهندسة جامعة بني وليد	II	Very Good

S. CHELLA KARTHIK	Sri venkateswara college of engineering sriperambadur	III	Excellent
VANIRA PRADHAN	Surendra Institute of Engineering and Management	IV	Excellent
Saurav Sundas	Surendra Institute of Engineering and Management	IV	Very Good
JITENDRA VANKA	V.R. SIDDHARTHA ENGINEERING COLLEGE	II	Excellent
BHARANIDHARAN. B	Sri Venkateswara College of engineering	II	Good
K JITENDRA VARMA	VR SIDDHARTHA ENGINEERING COLLEGE	II	Good
ARSHIYA A S	SVCE	II	Excellent

Feedback from Participants of Workshop

- The workshop session was good
- conceptual Presentation was nice
- Came to know many information about the field.
- It super and sir explain the answer for all the questions...
- Very Clear And Concise Workshop. Excellent!
- very enlightening for an aspiring civil engineer
- Arrange like this workshop, it is very useful to me.
- I hope in future we can do it in larger scale
- had a clear view on how 3d buildings are built and the session was informative
- Very interesting and useful session
- I learned new thing in this workshop . I thanked you for this workshop .The presentation really good again thank you for this .
- Very good workshop ..got of new interesting information about 3d printing
- It is very good and quite interesting.I've learned a lot about 3d printing.
- I have gained some knowledge about 3d printing
- It's a good experience and quite useful during this pandemic.
- The session was very informative and much needed
- it was very informative



Approved by :

Dr.R.Kumutha Prof &Head.