



**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
**DEPARTMENT OF CIVIL ENGINEERING**



**Report of the Workshop on**  
**“MACHINE LEARNING FOR CONSTRUCTION AUTOMATION”**

**26.06.2023 (Monday)**

**Coordinator**

**Mr. A. Vijay Vignesh**  
(AP/Civil Engg.)

**Convenor**

**Dr. R. Kumutha**  
HoD/Civil Engg.



# 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 Workshop on “Machine Learning for Construction Automation”

Date : 26.06.2023 (Monday)

Time : 02.00 P.M – 03.30 P.M

Mode : Online

Venue: Google meet

Meeting Link: [meet.google.com/knt-bbj-e-kup](https://meet.google.com/knt-bbj-e-kup)

#### Speaker

**Mr. AM Govind Kumar**

Managing Director

SeaportAI, Chennai

#### Convenor & Organizing Secretary

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

#### Coordinator

Mr. A. Vijay Vignesh, Assistant Professor/Civil Engineering

**Target Audience:** Students and Faculty members

Number of Participants benefited: 30

UG Students : 24

Faculty : 4

Others : 2

Total No of Internal Participants – 26

Students – 24, Faculty – 0, Others – 2

Total No of External Participants – 4

Students – 0, Faculty – 4, Others - 0



Vijay Vignesh CVE &lt;avijayvignesh@svce.ac.in&gt;

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**Invitation - Workshop on "Machine Learning for Construction Automation" - reg**

9 messages

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**Vijay Vignesh CVE** <avijayvignesh@svce.ac.in>  
To: EBTS Organization <ebts1.2013@gmail.com>  
Cc: HOD Civil SVCE <hodce@svce.ac.in>

Tue, Jun 20, 2023 at 3:57 PM

Dear Sir,

On behalf of the Department of Civil Engineering, Sri Venkateswara College of Engineering, Sriperumbudur, I am happy to invite you for the Workshop on "**Machine Learning for Construction Automation**" which is scheduled on 26th June 2023 (Monday).

Venue: Google Meet  
Timings: 2 - 3 P.M.

Pl find the attached brochure for your reference.

--- Thanks and Regards ---

Vijay Vignesh  
Assistant Professor - Civil Department,  
Sri Venkateswara College of Engineering,  
Sriperumbudur



**Workshop on Machine Learning for Construction Automation.pdf**  
387K

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**EBTS Organization** <ebts1.2013@gmail.com>  
To: Vijay Vignesh CVE <avijayvignesh@svce.ac.in>  
Cc: HOD Civil SVCE <hodce@svce.ac.in>

Tue, Jun 20, 2023 at 4:26 PM

Hello Vijay Sir,

Thanks for the invite.

Copying my faculty Govind Sir.

Please send the session link by 26th morning.

Regards,

Arunjit Chowdhury  
CEO, EBTS  
9820529962  
[www.ebts.co.in](http://www.ebts.co.in)

[Quoted text hidden]



**Workshop on Machine Learning for Construction Automation.pdf**  
387K

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**EBTS Organization** <ebts1.2013@gmail.com>  
To: Vijay Vignesh CVE <avijayvignesh@svce.ac.in>  
Cc: HOD Civil SVCE <hodce@svce.ac.in>, Govind Kumar <govind.kumar@seaportai.com>

Tue, Jun 20, 2023 at 4:28 PM


Copying Govind Kumar Slr.

Regards,

Arunjit Chowdhury  
CEO, EBTS  
9820529962  
[www.ebts.co.in](http://www.ebts.co.in)

[Quoted text hidden]

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 **Workshop on Machine Learning for Construction Automation.pdf**  
387K

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**EBTS Organization** <ebts1.2013@gmail.com>

Tue, Jun 20, 2023 at 6:02 PM

To: Vijay Vignesh CVE <avijayvignesh@svce.ac.in>

Cc: HOD Civil SVCE <hodce@svce.ac.in>, Govind Kumar <govind.kumar@seaportai.com>

Remuneration will be Rs 2000 to be paid after the session.

Please ask interested students to download PowerBI on the laptop or desktop. Link given below

Link for downloading desktop version of power bi

<https://www.microsoft.com/en-us/download/details.aspx?id=58494>

Also following attached files to be copied in a folder.

We will ask students to work along with us during the demo session.

Regards,


Arunjit

[Quoted text hidden]

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### 3 attachments

 **Cluster data.csv**  
5K

 **Power Systems Dataset.csv**  
68K

 **Mechanical parts consumption.csv**  
68K

---

**Vijay Vignesh CVE** <avijayvignesh@svce.ac.in>

Mon, Jun 26, 2023 at 3:12 PM


To: HOD Civil SVCE <hodce@svce.ac.in>

[Quoted text hidden]

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### 3 attachments

 **Cluster data.csv**  
5K

 **Power Systems Dataset.csv**  
68K

 **Mechanical parts consumption.csv**  
68K

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**EBTS Organization** <ebts1.2013@gmail.com>

Mon, Jun 26, 2023 at 3:26 PM

To: Vijay Vignesh CVE <avijayvignesh@svce.ac.in>

Cc: HOD Civil SVCE <hodce@svce.ac.in>

Hello Vijay Sir,

Thanks for the opportunity,

Here are the account details

Name of the speaker - Arunjit Chowdhury / Govind Kumar

Bank Name - ICICI Bank

Branch Name - Hiranandani Gardens, Powai, Mumbai - 400076

Account Number - 002001005768

IFSC Code - ICIC0000020

Amount - Rs 2,000

Regards,

Arunjit Chowdhury  
CEO, EBTS  
9820529962  
[www.ebts.co.in](http://www.ebts.co.in)

On Tue, Jun 20, 2023 at 3:57 PM Vijay Vignesh CVE <[avijayvignesh@svce.ac.in](mailto:avijayvignesh@svce.ac.in)> wrote:

[Quoted text hidden]

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**HOD Civil SVCE** <[hodce@svce.ac.in](mailto:hodce@svce.ac.in)>  
To: EBTS Organization <[ebts1.2013@gmail.com](mailto:ebts1.2013@gmail.com)>  
Cc: Vijay Vignesh CVE <[avijayvignesh@svce.ac.in](mailto:avijayvignesh@svce.ac.in)>

Mon, Jun 26, 2023 at 3:29 PM

Dear sir

Thanks for delivering a lecture to our students and faculty members. We will process the payment and it will take a week's time.

Pl keep in touch with Mr.A.Vijay Vignesh to know about the status for payment.

Thanks once again.

[Quoted text hidden]

--  
Thanks and Regards

**Dr.R.Kumutha**  
**Professor and Head**  
Department of Civil Engineering  
Sri Venkateswara College of Engineering  
Sriperumbudur - 602117  
TN, India  
Ph: 9894125626  
[Web of Science Profile](#)  
[Scopus Author Profile](#)  
[Google Scholar Profile](#)

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**EBTS Organization** <[ebts1.2013@gmail.com](mailto:ebts1.2013@gmail.com)>  
To: HOD Civil SVCE <[hodce@svce.ac.in](mailto:hodce@svce.ac.in)>  
Cc: Vijay Vignesh CVE <[avijayvignesh@svce.ac.in](mailto:avijayvignesh@svce.ac.in)>

Mon, Jun 26, 2023 at 3:51 PM

Thanks Mam for the opportunity.

Looking forward to further associations in the near future.

Regards,

Arunjit Chowdhury  
CEO, EBTS  
9820529962  
[www.ebts.co.in](http://www.ebts.co.in)

[Quoted text hidden]

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**EBTS Organization** <ebts1.2013@gmail.com>

Mon, Aug 7, 2023 at 2:08 PM

To: Vijay Vignesh CVE <avijayvignesh@svce.ac.in>

Cc: HOD Civil SVCE <hodce@svce.ac.in>, Govind Kumar <govind.kumar@seaportai.com>, EBTS Organization <ebts1.2013@gmail.com>

Hello Vijay Sir,

Bank details attached. There is no transaction of Rs 2000 credit.

The account is in the name of Arunjit Chowdhury and not Govind Kumar.

Regards,

Arunjit Chowdhury  
CEO, EBTS  
9820529962  
[www.ebts.co.in](http://www.ebts.co.in)

On Tue, Jun 20, 2023 at 3:57 PM Vijay Vignesh CVE <avijayvignesh@svce.ac.in> wrote:

[Quoted text hidden]



**OpTransactionHistory07-08-2023.xls**

61K



Vijay Vignesh CVE &lt;avijayvignesh@svce.ac.in&gt;

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## Workshop on "Machine Learning for Construction Automation" - reg

1 message

**Vijay Vignesh CVE** <avijayvignesh@svce.ac.in>

Sun, Jun 25, 2023 at 9:42 PM

Bcc: muthaiyan.p@rajalakshmi.edu.in, umamaguesvari.m@rajalakshmi.edu.in, karthikeyan.rm.civil@snsct.org, skcivil55@gmail.com, Sudharsan N <nksudharsan@gmail.com>, dhinesh kanna <dhineshkanna2001@gmail.com>, VIKRANTH JOHNTILAK <vikranthjohntilak@gmail.com>, 13 PREM KUMAR S CE <2020ce0568@svce.ac.in>, "Venkatesh. S" <ananthvenkatesh406@gmail.com>, RAGHAVENDRA B CIVIL <2021ce0383@svce.ac.in>, LOKESHWARAN R CE <2022ce0771@svce.ac.in>, balaji kasiraman <balajikasiraman79@gmail.com>, ABINAYA S CIVIL <2021ce0350@svce.ac.in>, LOMINA R CE09 <2021ce0157@svce.ac.in>, GOPINATH K CE <2021ce0907@svce.ac.in>, NITHILA M CIVIL <2021ce0119@svce.ac.in>, 02 AURUDRA ADISESHIAH KRISHNA CE <2020ce0384@svce.ac.in>, MOHAN AYYAPPAN <mandark.mohan@gmail.com>, CHIRANJEEVI B CVE <chiranjeevi@svce.ac.in>, "Balamurugan G." <gbalamuruganjec@gmail.com>, Kavitha <kavi13suga@gmail.com>

Dear Participant,  
Thank you for your Registration.

The meeting link for the workshop on "**Machine Learning for Construction Automation**" is given below for your reference.

**MEETING LINK** 📌📌📌  
[meet.google.com/knt-bbje-kup](https://meet.google.com/knt-bbje-kup)

Scheduled on **26.06.2023 (Monday)**  
Venue: **Google Meet**  
Timings: **2 P.M. - 3 P.M.**

**Follow these Instructions:**

1) Please download **PowerBI** on the laptop or desktop.  
Link for downloading desktop version of **PowerBI**  
Link: <https://www.microsoft.com/en-us/download/details.aspx?id=58494>

2) Also following attached files to be copied in a folder.




The speaker will ask the participants to work along with us during the **demo session**.

--- *Thanks and Regards* ---

Vijay Vignesh  
Assistant Professor - Civil Department,  
Sri Venkateswara College of Engineering,  
Sriperumbudur

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### 3 attachments

-  **Mechanical parts consumption.csv**  
68K
-  **Power Systems Dataset.csv**  
68K
-  **Cluster data.csv**  
5K

## BROCHURE



(Autonomous - Affiliated to Anna University)  
Pennalur, Sriperumbudur Tk. - 602117, Tamil Nadu

### Department of Civil Engineering

*invites you for a*

### Workshop

*on*

## "Machine Learning for Construction Automation"

**Venue: Google Meet**

**Registration Link:**

**<https://forms.gle/MwcMePubZX5g1ABEA>**



**Mr. AM Govind Kumar**

Managing Director  
SeaportAI, Chennai

Faculty Coordinator  
Mr.A.Vijay Vignesh, AP/CVE

Convenor & Organizing Secretary  
Dr. R. Kumutha  
Head of the Department  
Civil Engineering

**MONDAY,  
26.06.2023**

**TIMINGS  
02.00 P.M - 03.00 P.M**



# Workshop on "Machine Learning for Construction Automation" - Civil Department - SVCE

Sri Venkateswara College of Engineering, Sriperumbudur  
Department of Civil Engineering

Date: **26.06.2023 (Monday)**

Venue: **Google Meet**

## Workshop on "Machine Learning for Construction Automation"

Kindly fill this registration form and meeting link will be send through email.

[avijayvignesh@svce.ac.in](mailto:avijayvignesh@svce.ac.in) [Switch account](#)



\* Indicates required question

Email \*

Your email

Name of the Participant (Full Name with Initial) \*

Your answer

Name of the College/Institution \*

Your answer



Designation \*

Student

Faculty

Industry Professionals

Other: \_\_\_\_\_

Mobile Number (Whatsapp No)

Your answer  
\_\_\_\_\_

Year of Study (for students)

Choose ▼

Department (for faculty and industry professionals)

Your answer  
\_\_\_\_\_

Submit

Clear form

Never submit passwords through Google Forms.

This form was created inside of Sri Venkateswara College of Engineering. [Report Abuse](#)

Google Forms



# AM Govind Kumar

2 Decades of Experience  
Business Transformation,  
Technology (AI ML) & Fraud Risk



## My Contact

✉ govind.kumar@seaportAi.com

☎ +91 99451 56317

📍 Chennai

## Tech Skills

- AI ML: Python covering Machine Learning, Deep Learning and NLP
- Data Visualization: Power BI
- Auto ML: Google Vertex
- Six Sigma Green & Black Belt

## Books Written By Me

- Comprehensive Machine Learning
- AI For Executives
- Customer Escalation Is A Gift
- From Fury To Faith: Changing Preferences of Customers
- Get Started With AI: No Programming Required

## Certifications

- Project Management Professional (PMP)
- Lean Six Sigma Master Black Belt
- Innovation, Creativity & Change, Penn State University USA
- Master Level Practitioner of Neuro Linguistic Programming (NLP), NFNLP USA

## Professional Experience

### SeaportAi | Director

2017 – Present

- **Product Development and Business Development** with a focus on Fraud Risk, Customer Experience & Intelligent Automation
- Sectors covered: Banking, Insurance, Telecom, Manufacturing

### ZebPay (Crypto/Blockchain) | Vice President

2021 – 2022

- Managed Operations & Partners
- Drove **OKR** (Objectives & Key Results) implementation

### Hewlett Packard | Multiple Leadership Roles – Sales, Operations, Quality, Strategy & AI ML

2005 – 2017

- Managed large **multi cultural and multi national teams**
- Led '**Design thinking based Product Development**' program of PC products for emerging markets (China, India, Brazil, South East Asia)
- Set up Centers of Excellence (CoE) for Service Analytics & Fraud Detection

### Airtel | Manager

2001 – 2005

- Part of the startup project team. Set up process architecture and managed operations

### Vyapin Software Systems (E-Commerce Venture) | Business Development Manager

2000 – 2001

## Achievements

- Top 20 AI Startup (2019), CIO Review Magazine
- HP Global CEO Award (2014 & 2016)

## Education

- Anna University Guindy Chennai  
*B. Tech*  
Completed in 1997
- Bhatathidasan Institute of Management  
*Full Time MBA (Marketing & Systems)*  
Completed in 1999

## **BRIEF REPORT OF THE WORKSHOP**

Mr. A. Vijay Vignesh, Assistant Professor, Department of Civil Engineering, Sri Venkateswara College of Engineering has delivered the welcome address and introduced the speaker Mr. A. M. Govind Kumar, to all the participants.

The speaker welcomed the gathering and gave a brief introduction about the importance of machine learning and opportunities for civil engineers in IoT domain in the current scenario. He later discussed about the different types of Artificial Intelligence and its applications in civil engineering industry with suitable examples. He later demonstrated the Microsoft Power BI software for explaining the applications of Machine learning concept.

He explained the user interface in the software and various tools available to perform analytical and mathematical operations for construction automation. He demonstrated how to extract the data and how to get cluster data from dataset with suitable example. He also explained how to do forecasting the project using the dataset for a construction project.

The speaker concluded the session and discussed on the queries raised by the participants.

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 Mr. A. Vijay Vignesh, Assistant Professor, Department of Civil Engineering, Sri Venkateswara College of Engineering. The participants also had appreciated the workshop.

# SNAPSHOTS OF THE WORKSHOP

Govind Kumar is presenting

## Applications of AI in Civil Industry

Prevent Cost & Schedule Overruns

Project Planning

PROJECT MEETING  
SHOPPING MALL -> 2 YEARS -> 3 years  
100 CR. -> (120 CR) (25 CR)

meet.google.com is sharing your screen. Stop sharing Hide

2:14 PM | Workshop on "Machine Learning for Construct..."

Govind Kumar is presenting

Sum of y by ds

Sum of Age and Sum of Annual Income (K\$) by CustomerID and CustomerID (clusters)

Page 1 of 1

2:39 PM | Workshop on "Machine Learning for Construc..."

**What is Auto ML?**

**Evolution of IT Industry**

Code Heavy → Low Code → No Code

**Automation is Everywhere!**

Govind Kumar

**Program Objectives**

The objectives of the workshop are:

- To understand about the importance of Machine Learning for construction automation.
- To provide demonstration on Microsoft Power BI software.

The following Program Outcomes (POs) and Program Specific Outcomes (PSOs) are addressed for the Workshop on “**Machine Learning for Construction Automation**”,

Particulars	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Machine Learning for Construction Automation	✓		✓		✓						✓	✓	✓	✓

**Registration Link:** <https://forms.gle/UtaDYhXzB8heNqzX9>

**Feedback Link:** <https://forms.gle/KB6VpapyEgRSWWGB9>

### LIST OF PARTICIPANTS

<b>S.No</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Category</b>
1	UMA MAGUESVARI M	RAJALAKSHMI ENGINEERING COLLEGE	Faculty
2	M KALEESWARI	RAJALAKSHMI ENGINEERING COLLEGE	Faculty
3	MUTHAIYAN P	RAJALAKSHMI ENGINEERING COLLEGE	Faculty
4	V. P. THARINI	RAJALAKSHMI ENGINEERING COLLEGE	Faculty
5	MOHAN AYYAPPAN	SRI VENKATESWARA COLLEGE OF ENGINEERING	PG Student
6	RUBINI M	SRI VENKATESWARA COLLEGE OF ENGINEERING	Others
7	CHIRANJEEVI B	SRI VENKATESWARA COLLEGE OF ENGINEERING	Others
8	AURUDRA ADISESHIAH KRISHNA	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
9	AADESHWAR S	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
10	ABINAYA S	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
11	BALAJI K	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
12	HARINI A	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
13	HARISHKANNEN R	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
14	KALICHARAN A S	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
15	KAVIYA R	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
16	LOMINA R	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student

<b>S.No</b>	<b>Name of the Participant</b>	<b>Name of the Institution</b>	<b>Category</b>
17	NITHILA M	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
18	RAGHAVENDRA B	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
19	RASHIK AHMED R	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
20	VELAN S	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
21	PRAVEEN KUMAR D	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
22	PRAVEEN RAJ A	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
23	PREM KUMAR S	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
24	SANTHOSH KUMAR N M	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
25	CHANDRAVASAN P	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
26	DHANUSH KANNAN L	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
27	GIRI RAVENDAR M	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
28	SANTHOSH KUMAR N M	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
29	PUVIARASU S	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student
30	RAMANA R	SRI VENKATESWARA COLLEGE OF ENGINEERING	UG Student



## SUMMARY OF FEEDBACK

<b>Total Number of respondents: 30</b>				
<b>Feedback</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>Neutral</b>	<b>Disagree</b>
The session delivered the information I expected to receive.	22	8	0	0
The subject matter was presented effectively.	23	7	0	0
The pace and duration of the workshop was satisfactory.	24	6	0	0
The resource person is knowledgeable.	25	5	0	0
The resource person presented the information in a clear and logical manner	26	4	0	0
Sufficient time was given for interaction	23	7	0	0
The workshop was well organized	25	5	0	0
As a result of this workshop, I gained new knowledge	26	4	0	0

### **Additional Comments:**

- Informative Session.

**YouTube Link:** [https://www.youtube.com/watch?v=LNYglvQr\\_ME&t=4s](https://www.youtube.com/watch?v=LNYglvQr_ME&t=4s)

# Feedback link - Workshop on "Machine Learning for Construction Automation" - Civil Department - SVCE

Feedback Form

Sri Venkateswara College of Engineering, Sriperumbudur

Department of Civil Engineering

Date: **26.06.2023 (Monday)**

Venue: **Google Meet**

## Workshop on "Machine Learning for Construction Automation"

Kindly provide your valuable feedback.

Email ID \*

2020ce0384@svce.ac.in

Prefix \*

Mr.

Name of the Participant \*

Aurudra Adisheshaiah krishna

Name of the Department \*

Civil

Category \*

Student

Faculty

Research Scholar

Lab Technician

Mobile number (Whatsapp)

8111091246

Please rate your satisfaction with the content of the workshop delivered by the speaker by indicating your level of agreement \* or disagreement with each of the following statements.

	Strongly agree	Agree	Neutral	Disagree
The session delivered the information I expected to receive.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The subject matter was presented effectively.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
The pace and duration of the workshop was satisfactory.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
The resource person is knowledgeable.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The resource person presented the information in a clear and logical manner	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sufficient time was given for interaction	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The program was well organized	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
As a result of this workshop, I gained new knowledge	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Are you interested in attending such programs organized in future by the Department of Civil Engineering of SVCE \*

Yes

No

Additional Comments/Feedback \*

.....

## SUMMARY OF FEEDBACK

As a result of this workshop, I gained new knowledge

The workshop was well organized

Sufficient time was given for interaction

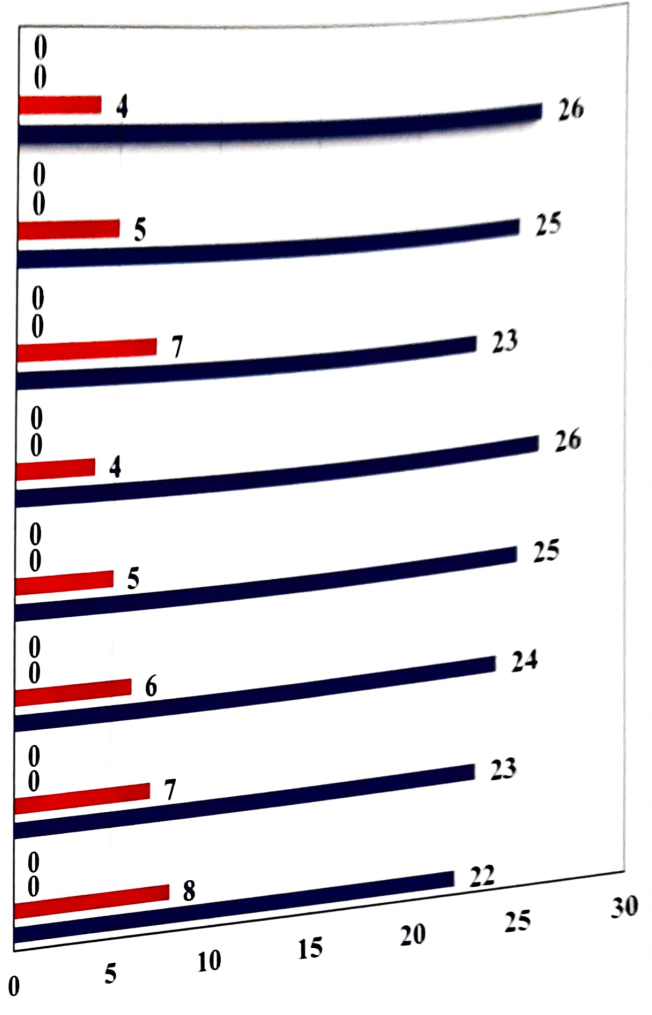
The resource person presented the information in a clear and logical manner

The resource person is knowledgeable.

The pace and duration of the workshop was satisfactory.

The subject matter was presented effectively.

The session delivered the information I expected to receive.



■ Disagree  
 ■ Neutral  
 ■ Agree  
 ■ Strongly agree

*A. Vijay Vignesh*

Prepared by  
**Dr. A. Vijay Vignesh (AP/Civil Engg.)**  
 Coordinator

*Dr. R. Kumutha*

Approved by  
**Dr. R. Kumutha (HoD/Civil Engg.)**  
 Convenor & Organizing secretary