



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



**Report of the Workshop on**  
**“Building Information Modeling using Bentley BIM Software”**



**13.05.2024**

**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



TechApps



## DEPARTMENT OF CIVIL ENGINEERING

### Report of the Workshop on “Building Information Modeling using Bentley BIM Software”

Dates : 13.05.2024

Time : 08.30 A.M – 03.30 P.M

Mode : Offline

Venue: CADD Lab, SVCE

#### Speaker

**Mr. Akbar**

BIM Consultant

TechApps Consulting, Chennai

#### Convenor & Organizing Secretary

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

#### Coordinator

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

#### Target Audience: Faculty Members

Number of Participants benefited: 08

Faculty : 08

Total No of Internal Participants: 08

Faculty : 08

# BROCHURE



**SVCE** | Sri Venkateswara  
College of  
Engineering

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



**Department of Civil Engineering**

*in association with*

**TechApps Consulting, Chennai**

*jointly invites you for a*

**Workshop**

*on*

**Building Information Modeling using  
Bentley BIM Software**

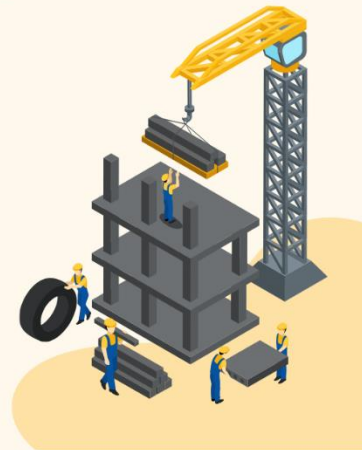


**Mr. Akbar**  
BIM Consultant  
TechApps Consulting, Chennai

**Venue:** CADD Lab (14-102B)

**Date:** 13th May 2024

**Target Audience:** Faculty Members



**Faculty Coordinator**  
Mr. A. Vijay Vignesh, AP/Civil

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

## Contact

[www.linkedin.com/in/akbar-ali-khader-486615a5](http://www.linkedin.com/in/akbar-ali-khader-486615a5) (LinkedIn)

## Top Skills

Structural Design

New Business Development

Business Process Management

## Certifications

Bentley Institute Product Training Partner

Chartered Engineer

Registered structural Engineer Grade -I

# Akbar Ali Khader

Driving Excellence in BIM, Structural Engg, Mechanical Engg and Project Management

Chennai, Tamil Nadu, India

## Summary

As the Director - Technical & Sales at KHAAS Group, I lead a dynamic and diverse team of engineers and sales professionals who deliver cutting-edge solutions to clients across various industries. With a Master's degree in Structural Engineering and a Chartered Engineer certification, I have a strong technical background and a keen eye for innovation and quality.

I combine my technical expertise with strategic acumen to develop and execute the company's business strategies, ensuring alignment with the goals of the board and shareholders. I also provide strategic advice and guidance to the board and chairperson, leveraging my market insights and industry knowledge. Additionally, I oversee the company's financial performance, investments, and other business ventures, while maintaining trust relationships with shareholders, business partners, and authorities.

I am passionate about fostering a collaborative and empowering culture that inspires teams to excel. I believe in continuous learning and open communication, and I nurture high-performing teams that can translate intricate technical details into compelling value propositions. I also cultivate exceptional customer relationships, by understanding their needs and anticipating them in advance, and by demonstrating product usage and addressing their questions and concerns.

I am driven by the opportunity to shape the future of engineering solutions, while forging meaningful connections with clients and colleagues alike. Together, let's embark on a journey of innovation, growth, and excellence.

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## Experience

## Shift Service

### Project Manager

November 2022 - Present (1 year 9 months)

Riyadh, Saudi Arabia

1. Providing technical support to the business development, estimating and onsite engineering teams

Responsible for overseeing all aspects of build design, from contract award to handover.

2. Lead the preparation of technical and contract documentation for issue and analysis of returned tenders.

3. Determine the need for training and talent development

4. Hire contractors and build teams

5. Ensure products have the support of upper management

6. Provide clear and concise instructions to engineering teams

7. Lead research and development projects that produce new designs, products, and processes.

8. Check their team's work for technical accuracy

9. Coordinate work with other managers and staff

10. Assisting projects with value engineering and financial control of contracts during construction stage

11. Develop planning and priorities processes to ensure that multi-disciplinary resource is well aligned to maximize delivery of projects.

12. Ensure any new equipment or engineering activity is supported with appropriate qualification

documentation and that this is appropriately stored. Ensure up to date drawings are maintained

appropriately Work with Marketing department on product development, market opportunities and trends.

13. Coordinate with manufacturing to ensure manufacturability of product while maintaining quality,

safety and environmental standards and achieving cost targets in a timely fashion.

14. Support project management to cross functional activity required for project execution

Operate a process for safe selection of external contractors. In conjunction with the Head of

Purchasing ensure all external contracts are regularly reviewed to ensure best value.

15. Report on Engineering activities on a regular basis to the Senior Management team, ensuring accurate and timely reporting of the relevant Key Performance Indicators.

## KHAAS Group

Director - Technical & Sales

January 2015 - Present (9 years 7 months)

Chennai, Tamil Nadu, India

1. Develop and execute the company's business strategies in order to attain the goals of the board and shareholders
2. Provide strategic advice to the board and Chairperson so that they will have accurate view of the market and the company's future.
3. Prepare and implement comprehensive business plans to facilitate achievement by planning cost-effective operations and market development activities.
4. Ensure company policies and legal guidelines are communicated all the way from the top down in the company and that they are followed at all times.
5. Communicate and maintain trust relationships with shareholders, business partners and authorities  
Oversee the company's financial performance, investments and other business ventures.
6. Delegate responsibilities and supervise the work of executives providing guidance and motivation to drive maximum performance.
7. Read all submitted reports by lower rank managers to reward performance, prevent issues and resolve problems.
8. Act as the public speaker and public relations representative of the company in ways that strengthen its profile.
9. Analyze problematic situations and occurrences and provide solutions to ensure company survival and growth.

## Bentley Systems

Product Training Partner

January 2023 - Present (1 year 7 months)

India

1. Develop and deliver engaging and informative product training programs to customers, clients, and employees.
2. Create training materials, including slide decks, user manuals, quick reference guides, videos, and e-learning modules, that effectively convey the features, functionalities, and benefits of our products.

3. Conduct in-person or virtual training sessions, workshops, and webinars, demonstrating product usage and addressing questions and concerns from trainees.
4. Customize training programs based on the specific needs and requirements of different audiences, industries, and skill levels.
5. Collaborate with cross-functional teams, including product managers, developers, customer support, and marketing, to gather insights and incorporate product updates and enhancements into training materials.
6. Continuously update and improve training content to ensure accuracy, relevance, and alignment with product developments.

Provide technical support and assistance to trainees during and after training sessions, resolving issues and answering product-related queries.

7. Collect feedback from trainees to evaluate the effectiveness of training programs and identify areas for improvement.
8. Track training metrics, such as attendance, participant feedback, and performance indicators, and prepare reports to communicate the impact and value of training initiatives.

Stay up-to-date with industry trends, best practices, and emerging technologies related to our products, incorporating relevant information into training materials.

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## Education

Anna University Chennai

Master's degree, Structural Engineering

## **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. Akbar, BIM Consultant, TechApps Consulting, Chennai, to all the participants.

The speaker welcomed the gathering and gave a brief overview on BIM software and its importance in construction projects. Then the speaker highlighted the various stages involved in the BIM technology and its significance. He also explained about the digitalization in construction projects with suitable example. The following topics were covered during the hands-on session on building information modelling using Bentley BIM software,

### 1. Basic functionality

- The OpenBuildings Designer interface
- Workspaces, Worksets and design files
- Basic functionality

### 2. Structural Modeling

- Creating a new Workset and setup preferences
- The Dataset (Families and Parts system and catalogs)
- The Grid System
- The Floor Manager

### 3. Architectural modeling

- Placing exterior Walls
- Creating a new Compound Wall
- Modeling interiors and use of self-references
- Doors and windows

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

The session was interactive, and the questions raised by the students 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.



## **Program Objectives**

The objectives of the workshop are:

- To provide hands on training on Bentley BIM Software for the participants.

The following Program Outcomes (POs) and Program Specific Outcomes (PSOs) are addressed for the Workshop on “**Building Information Modeling using Bentley BIM Software**”

<b>Particulars</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>PSO1</b>	<b>PSO2</b>
“Building Information Modeling using Bentley BIM Software”	✓	✓	✓	✓	✓			✓				✓	✓	✓

**Feedback Link:** <https://forms.gle/PVeppVz5ZD3z7WjL8>


## SNAPSHOTS OF THE WORKSHOP



## LIST OF PARTICIPANTS

S.No.	Name of the Faculty	Mail ID	Institution
1	Venkateswara Rao P	pvenkat@svce.ac.in	SVCE
2	Sathia R	sathiamunish@svce.ac.in	SVCE
3	Ruby Freya	rubyfreya@svce.ac.in	SVCE
4	Mathiyazhagan R	mathiyazhagan@svce.ac.in	SVCE
5	Kalaiyannan R	kalaiyannan@svce.ac.in	SVCE
6	Hariswaran S	hariswarans@svce.ac.in	SVCE
7	Vijay Vignesh A	avijayvignesh@svce.ac.in	SVCE
8	Selvakumar M	msk@svce.ac.in	SVCE

## PARTICIPATION CERTIFICATE



**Bentley**<sup>®</sup>

**Certificate of Accomplishment**

THIS CERTIFICATE IS PRESENTED TO

**A. VIJAY VIGNESH**

upon successful completion of

**FDP on BIM with OpenBuilding Designer CONNECT Edition | EN | EN**

Product: *OpenBuildings Designer* Version: *CONNECT Edition*

Course Date: *May 13, 2024* Learning Units: *6*

Training Partner: *Techapps Consulting*

*Amit Trehan*

**Amit Trehan**  
Director, User Learning  
Bentley Systems Inc.

Certificate ID: *1912559712*

**Bentley**

Participants can download their certificates from the Bentley website.

**Link:** <https://learn.bentley.com/app/Public>

# Feedback link - Workshop on “Building Information Modeling using Bentley BIM Software” - Civil Department - SVCE

Feedback Form  
Department of Civil Engineering

## Workshop on

“Building Information Modeling using Bentley BIM Software”

Date: **13.05.2024**

Speaker Name:

**Mr. Akbar**

BIM Consultant

TechApps Consulting, Chennai

Kindly provide your valuable feedback.

Email ID \*

rubyfreya@svce.ac.in

Name of the Participant \*

Ruby Freya

Name of the Department \*

Civil

Category \*

- Third year student
- Final year student
- Faculty
- Lab Technician

Mobile number (Whatsapp)

.....

Please rate your satisfaction with the content of the Lecture 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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The pace and duration of the workshop was satisfactory.	<input checked="" type="radio"/>	<input 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 workshop 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 \*

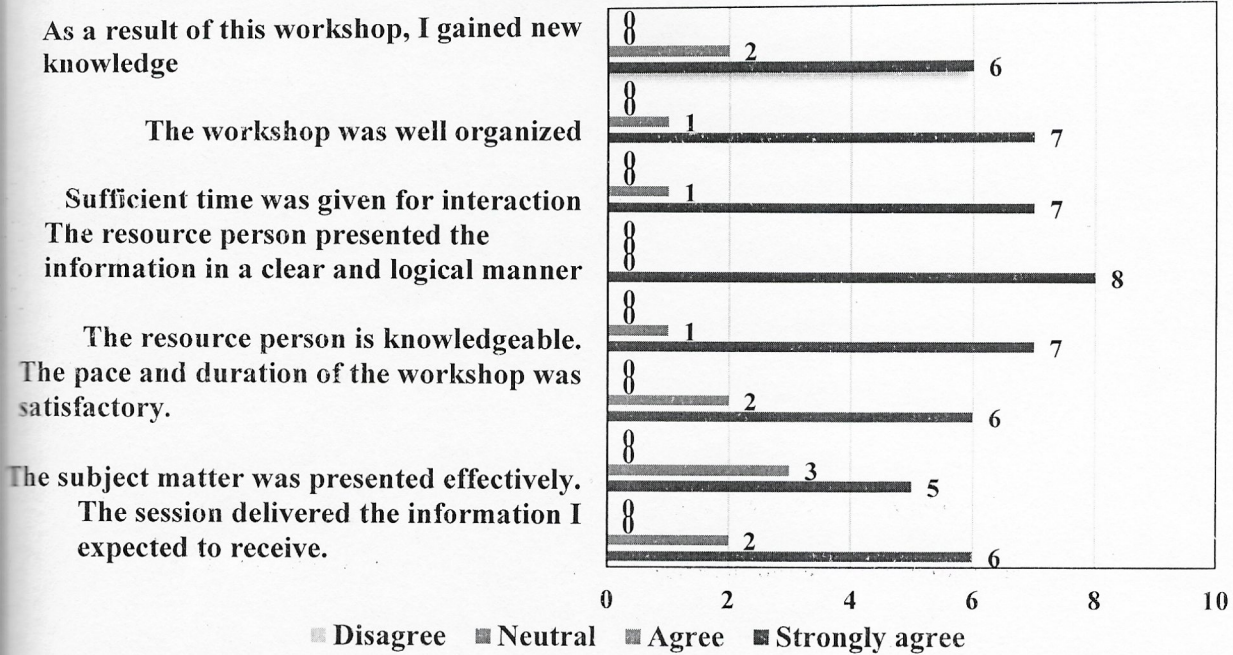
Good workshop.

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## SUMMARY OF FEEDBACK

<b>Total Number of respondents: 8</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.	6	2	0	0
The subject matter was presented effectively.	5	3	0	0
The pace and duration of the workshop was satisfactory.	6	2	0	0
The resource person is knowledgeable.	7	1	0	0
The resource person presented the information in a clear and logical manner	8	0	0	0
Sufficient time was given for interaction	7	1	0	0
The workshop was well organized	7	1	0	0
As a result of this workshop, I gained new knowledge	6	2	0	0

### SUMMARY OF FEEDBACK



*Vijay Vignesh*

Prepared by

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

*Dr. R. Kumutha*

Approved by

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