

CENTRE FOR BUILDING INFORMATION MODELLING

ABOUT

The "Centre for Building Information Modelling" (BIM) is a specialized institution dedicated to advancing the use of Building Information Modelling in the construction and architecture industries. BIM is a digital representation of a building's physical and functional characteristics, which enhances collaboration, efficiency, and decision-making throughout the entire building lifecycle. This centre serves as a hub for research, education, and practical implementation of BIM technology. It conducts studies, offers training programs, and collaborates with industry professionals to promote the adoption of BIM practices. By providing expertise and resources, the Centre for Building Information Modelling plays a pivotal role in improving the design, construction, and management of buildings, ultimately leading to more sustainable, cost-effective, and innovative construction projects.

OBJECTIVE

- The primary objective of the Centre for Building Information Modelling is to spearhead research in BIM technology, continually pushing the boundaries of its applications to enhance construction and architecture practices
- The centre aims to provide comprehensive training and education programs, equipping professionals and students with the necessary skills and knowledge to effectively utilize BIM tools and methodologies
- It fosters collaboration among industry stakeholders, academia, and technology providers to drive innovation in BIM, resulting in more efficient and sustainable building processes
- The centre works towards establishing and disseminating industry standards and best practices in BIM implementation, ensuring consistency and quality in construction projects
- Another key objective is to integrate BIM into sustainable building practices, facilitating environmentally friendly and resource-efficient construction and design solutions

COURSES

- Revit Architecture
- STAAD.Pro Software
- Geographic Information System
- Primavera & Project Planning Management

CENTRE HEAD

Dr. R SOMESWARAN Ph.D- Assistant Professor/Civil

CENTRE MEMBER

Mrs. V JANAKI M.E - Assistant Professor/Civil

Mr.C NAVANEETHA KRISHNAN M.E - Assistant Professor/Civil

Mrs. N GAYATHRI M.E - Assistant Professor/Civil

OUTCOME

- Graduates will have a strong command of Building Information Modelling tools and techniques, making them proficient in digital construction processes.
- Students will acquire the ability to collaborate effectively with architects, engineers, and construction professionals, streamlining project communication and coordination.
- Participants will learn how to optimize construction workflows, resulting in improved project efficiency and reduced costs.
- The centre promotes sustainable building practices, equipping students with knowledge to create environmentally friendly and energy-efficient structures.
- Many programs provide industry-recognized BIM certifications, enhancing graduates' credibility and employability in the construction and architecture sectors

CERTIFICATION

| | | | | | | |
|----------------------------------------------------|---------|------|-----------------------------|----------|----|-----|
| Centre for Building Information Modelling | 2022-23 | Odd | CAD | MSAJCE | 22 | 101 |
| | 2022-23 | Odd | STAAD PRO | MSAJCE | 9 | |
| | 2021-22 | Even | QGIS | MSAJCE | 9 | |
| | 2021-22 | Even | REVIT Architecture | MSAJCE | 17 | |
| | 2019-20 | Even | Revit | Autodesk | 30 | |
| | 2019-20 | Even | STAAD PRO Advanced Level | MSAJCE | 44 | |





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FOR COMPUTER LABS

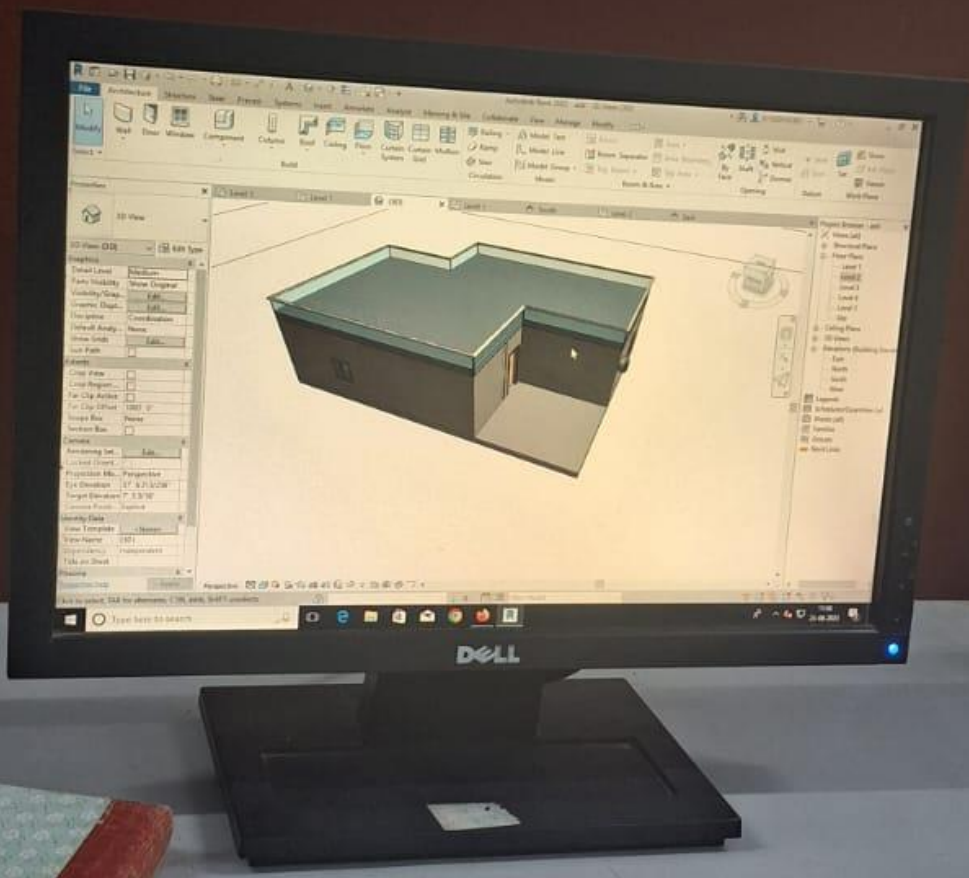
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COLLEGE OF ENGINEERING
 TRAINING & PLACEMENT - III & IV
 YEAR 2022-23 (EVEN SEMESTER)
 TECHNOLOGY CENTER, Durg, Jabalpur

| Topic Covered | Faculty Incharge | MARK |
|---------------------------------|------------------|------|
| 3D Modelling of Building | V. S. S. S. | 10 |
| 3D Modelling of Furniture | V. S. S. S. | 10 |
| 3D Modelling of Mechanical Part | V. S. S. S. | 10 |
| 3D Modelling of Electrical Part | V. S. S. S. | 10 |
| 3D Modelling of Civil Part | V. S. S. S. | 10 |
| 3D Modelling of Mechanical Part | V. S. S. S. | 10 |
| 3D Modelling of Electrical Part | V. S. S. S. | 10 |
| 3D Modelling of Civil Part | V. S. S. S. | 10 |
| 3D Modelling of Mechanical Part | V. S. S. S. | 10 |
| 3D Modelling of Electrical Part | V. S. S. S. | 10 |
| 3D Modelling of Civil Part | V. S. S. S. | 10 |



**MOHAMED SATHAK
A.J. COLLEGE OF ENGINEERING**
Siruseri IT Park, OMR, Chennai - 603 103.



Certificate of Completion

This is to certify that Mr. / Ms. Mohamed Natheem Mansoor N student of Mohamed Sathak A J College of Engineering, Chennai has successfully completed the training program on “**QGIS**” from 21st March 2022 to 15th June 2022. Conducted by Centre for Building Information Modeling, Department of Civil Engineering.

Dr.R.Someswaran
Course Co - ordinator

Dr. I. Manju
Head - Technology Centre & Industry Relations

Dr. K.S. Srinivasan
Principal



**MOHAMED SATHAK
A.J. COLLEGE OF ENGINEERING**
Siruseri IT Park, OMR, Chennai - 603 103.



Certificate of Completion

This is to certify that Mr. / Ms. LOGESHWARAN P. student of Mohamed Sathak A J College of Engineering, Chennai has successfully completed the training program on “**Revit Architecture**” from 21st March 2022 to 15th June 2022. Conducted by Centre for Building Information Modeling, Department of Civil Engineering.

Mr.R.B.Rakesh
Course Co - ordinator

Dr. I. Manju
Head - Technology Centre & Industry Relations

Dr. K.S. Srinivasan
Principal



MOHAMED SATHAK
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Certificate of Completion

This is to certify that Mr. / Ms. VEERAKUMAR M. student of Mohamed Sathak A J College of Engineering, Chennai has successfully completed the training program on “**Staad Pro**” from 22nd August 2022 to 30th November 2022. Conducted by Centre for Building Information Modeling, Department of Civil Engineering.

P. Emilreyan

Mr.R.Emilreyan
Course Co - ordinator

I. Manju

Dr. I. Manju
Head - Technology Centre & Industry Relations

K.S. Srinivasan

Dr. K.S. Srinivasan
Principal



MOHAMED SATHAK
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Certificate of Completion



This is to certify that Mr. / Ms. SANDESH KUMAR K. student of Mohamed Sathak A J College of Engineering, Chennai has successfully completed the training program on “**Computer Aided Building Drawing**” from 22nd August 2022 to 30th November 2022. Conducted by Centre for Building Information Modeling, Department of Civil Engineering.

Course Duration: 45 Hours
 Course: AutoCAD

C. Navaneetha Krishnan

Mr.C.Navaneetha Krishnan
Course Co - ordinator

I. Manju

Dr. I. Manju
Head - Technology Centre & Industry Relations

K.S. Srinivasan

Dr. K.S. Srinivasan
Principal