



||Jai Sri Gurudev||

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY**

Jyothi Nagara, Chikkamagaluru - 577102, Karnataka, INDIA

**Department of Civil Engineering**

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## **INTERNSHIP ON ETABS**

**Internship Description:** Five weeks Internship was conducted for final year students on the title “**INTERNSHIP ON ETABS**”

Conducted in the department of civil , AIT Chikkamagaluru by **Company Name:** Zestech Global Pvt Ltd, Kodigehalli, Bengaluru from 02-09-2024 to 04-10-2024. Total number of students benefited by this internship 44. The objective of this internship is to enhance the Knowledge in Civil Engineering Softwares.



**Dr. KIRAN B. M.**

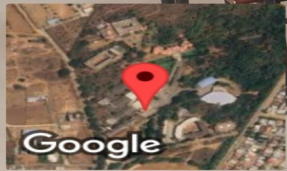
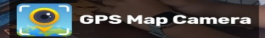
Professor & Head  
Department of Civil Engineering  
Adichunchanagiri Institute of Technology  
CHIKKAMAGALURU-577102



  
Signature of HOD  
**Dr. KIRAN B. M.**  
B.E.,M.Tech.,Ph.D  
Professor & Head  
Department of Civil Engineering  
Adichunchanagiri Institute of Technology  
CHIKKAMAGALURU-577102



Beekanhalli (Rural), Karnataka, India  
8QRX+857, Beekanhalli (Rural), Karnataka 577101, India  
Lat 13.340942°  
Long 75.797729°  
14/09/24 09:35 AM GMT +05:30



  
Signature of HOD

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Sl No.	Week	Date and Timings	No. of Hours	Topics Covered
1	1 <sup>st</sup> Week Sept 2024	02-09-2024 to 05-09-2024 (2.00PM to5.00PM)	12hrs	Sentence Correction Percentage and Profit & Loss SWOT Analysis Sentence Comp One word substitute Ratio and proportion & Partnership Psychometric & Vocabulary Number Theory Presentation Skills Analogies, Series & Pro Presentation Skills (Practicals)
2	2 <sup>nd</sup> Week Sept 2024	09-09-2024 to 14-09-2024 (9.00AM to5.00PM)	21hrs	Subject verb agreement Averages & Alligation and Mixture Psychometric & Versan Pronoun Agreement Simplification & Approximations Resume Building - Offline & Reading Comprehension Time and work & Pipes and Cisterns Resume Building Co & LinkedIn Modifiers and Parallelism Time and Distance & Data Interpretation Discussion - Online & Offline Statement Assumption & Parajumbles Per Combination & Probability Group Discussion - Online & Offline Statement Assum Parajumbles Mensuration and Embedded Figure Group Discussion - Online & Offli
3	3 <sup>rd</sup> Week Sept 2024	17-09-2024 to 20-09-2024 (2.00PM to5.00PM)	12hrs	SFD BMD problems in etabs Truss problems Creation of column and beams Creatio column and beam with floor plan Reference Creation of slab copying to multiple sto

  
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4	4 <sup>th</sup> Week Sept 2024	23-09-2024 to 28-09-2024 (9.00AM to5.00PM)	21hrs	Creation of staircase copying to multiple story Solving linear static problems with d live load with load combination and Designing column and beam as per is 456 Design of slab both strip method as well FEM method design as per IS456 viewing r Creation of sheared wall, Designing as per Is456 All 3 method, Simplified T&C, reinforcing, General reinforcing
5	5 <sup>th</sup> Week Sept/Oct 2024	30-09-2024 to 04-10-2024 (2.00PM to5.00PM)	12hrs	Design of stair case as per IS456 Solving linear Dynamic analysis problems Solving problems on seismic

  
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## 7th CIVIL

Department of HRD		Attendance for JANUS Training																						
SI	USN	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
			10.09.2024			11.09.24			12.09.2024			13.09.24												Books Issued
1	4AI21CV001	Abhijna V	P	P	P	P	A	P	P	P	P	P												
2	4AI21CV003	Amulya N M	P	P	P	P	P	P	P	P	P	P												
3	4AI21CV004	Ankush S																						
4	4AI21CV006	Bhuvanesh M	P	P	P	P	A	P	P	P	P	P												
5	4AI21CV007	Chandan C M	P	P	P	P	A	P	P	P	P	P												
6	4AI21CV009	Darshan D K	P	P	P	P	A	P	P	P	P	P												
7	4AI21CV010	Dharshan M J	P	P	A	P	A	A	P	P	P	P												
8	4AI21CV012	Gagan M	A	P	A	P	A	P	P	P	P	P												
9	4AI21CV013	Kavya M	P	P	P	P	P	P	P	P	P	P												
10	4AI21CV014	Mallikarjuna K M	A	P	A	A	A	A																
11	4AI21CV015	Mohammed Furqhan	A	P	A	A	A	A	P	P	P	P												
12	4AI21CV016	Moulya C K	P	P	P	P	P	P	P	P	P	P												
13	4AI21CV018	Nikhil T R	A	P	A	P	P	P	P	P	P	P												
14	4AI21CV020	Nishchitha N	P	P	P	P	A	P	P	P	P	P												
15	4AI21CV021	Nithin A G	P	P	A	P	A	A	P	P	P	P												
16	4AI21CV022	Parinita G S	P	P	P	P	A	P	P	P	P	P												
17	4AI21CV023	Pavan K S	A	A	A	A	A	P																
18	4AI21CV025	Prajwal B M	P	A	A	P	A	A	P	P	P	P												
19	4AI21CV026	Priyanka D S	P	P	P	P	A	P	P	P	P	P												
20	4AI21CV027	Rakshitha M S	P	A	A	P	A	P	P	P	P	P												
21	4AI21CV028	Samskruthi K P	P	P	P	P	A	P	P	P	P	P												
22	4AI21CV030	Shashank D	A	A	A	P	A	P	P	P	P	P												
23	4AI21CV031	Suma Bai R	P	P	P	P	P	P	P	P	P	P												
24	4AI21CV032	Vivek R	A	A	A	A	A	A																
25	4AI22CV400	Abhinandan N M	A	A	A	P	A	A																
26	4AI22CV401	Abhishek B A	A	A	A	A	A	A																
27	4AI22CV402	Abhishek K H	A	A	A	P	P	A	A	P	P	P												
28	4AI22CV403	Bhanuprakash A	A	A	A	P	A	A	P	P	P	P												
29	4AI22CV404	Chandan M	A	A	A	P	A	P	P	P	P	P												
30	4AI22CV406	Hitesha	P	P	P	P	A	P	P	P	P	P												
31	4AI22CV407	Ismail Zabiulla	P	P	A	P	P	A	P	P	P	P												
32	4AI22CV408	Kallesha S S	A	A	A	P	A	P	P	P	P	P												
33	4AI22CV409	Mohammad Yunus A	A	A	A	A	A	A	A	A	A	A												
34	4AI22CV410	Mohammad Arsalan					A	A																
35	4AI22CV411	Mohammad Ashraf	A	A	A	A	A	A	P	P	P	P												

  
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**DEPARTMENT OF CIVIL ENGINEERING**

**SUMMARY ON 5 DAY'S FACULTY DEVELOPMENT PROGRAM ON BIM**

**Date:** 13<sup>th</sup> May 2024 to 17<sup>th</sup> May 2024

**Executive Summary:** Building information modeling (BIM) is the foundation of digital transformation in the architecture, engineering, and construction (AEC) industry. As the leader in BIM, Autodesk is the industry's partner to realize better ways of working and better outcomes for business and the built world.

**Resource Persons:- Mr ANIL GHASTE & Mr SHIVA SHARAN**

Immersive technologies are starting to move into the engineering and construction industry and there has been a strong uptake in the use of them for viewing 3D BIM models. BIM has encouraged the industry to create high fidelity, data rich 3D models but although these models can appear photorealistic and amazing flythroughs can be created, it is immersive technology that can really enhance how you visualize a project. Revit BIM (Building Information Modelling) software to drive efficiency and accuracy across the project lifecycle, from conceptual design, visualization and analysis to fabrication and construction.

**OBJECTIVES OF THE FDP:** To enable participants to create full 3D architectural project models and set3 them up in working drawings. To provide a forum to exchange views, ideas3 & the latest innovations. To offer learning on basics, emerging trends3 & challenges. To improve faculty ability in carrying out research, testing & consultancy. To focuses on basic tools that most users need to work with Revit Architec3 ture

**OUTCOME OF THE FDP:** Revit BIM software provides architects and designers with the tools they need3 to develop accurate, higher-quality architectural designs.



**ACTIVITIES:**

**PROGRAM SCHEDULE**

<b>DAY 1 –13/05/2024</b>
<b>10:00 AM –11:00 AM –INAUGURATION</b>
<b>11:00 AM –1:00 PM –Session 1</b>
Autodesk Software Registration and License Activation
Introduction to BIM and Revit
Overview of BIM and Understanding BIM principles
User interface and navigation and Basic commands / Tools
<b>Hands-On / Practice</b>
<b>1:00 PM –2:00 PM –Lunch Break</b>
<b>2:00 PM –4: 00 PM –Session 2</b>
<b>Basic Building Modelling</b>
Setting up project units and levels
Placing grids and reference planes
Working with wall and wall types
Editing Commands
<b>Hands-On / Practice</b>
<b>4:00 PM –4:30 PM –Q &amp; A</b>

<b>DAY 2 –14/05/2024</b>
<b>10:00 AM –11:00 AM –Session 3</b>
Modeling basic building elements
Doors, Windows, and Interior Components
Working with Floor and Roofs
<b>Hands-On</b>
<b>11:00 AM –11:30 AM –Tea Break</b>
<b>11:30 AM –1:00 PM –Session 4</b>
Working with Interior Components furniture, fixtures
Using Editing Tools & Working with Views
Using Editing Commands Setting the view display
<b>1:00 PM –2:00 PM –Lunch Break</b>
<b>2:00 PM –4: 00 PM –Session 5</b>
Visibility Graphics, Duplicate Views
Elevations & Sections, Adding Callout Views
Creating and Modifying 3D Views
Modelling Floors Creating and Modifying Floors
<b>Hands-On</b>
<b>4:00 PM –4:30 PM –Q &amp; A</b>

<b>DAY 3 –15/05/2024</b>
<b>10:00 AM –11:00 AM –Session 6</b>
Ceilings Creating
Ceilings Automatic & Sketch based Ceiling
Adding Lighting Fixtures
Modelling Roofs
Creating Roofs by Footprint
<b>11:00 AM –11:30 AM –Tea Break</b>
<b>11:30 AM –1:00 PM –Session 7</b>
Creating Roofs by Extrusion
Using Join & unjoin roof
Working with Openings (Dormer opening)
Modelling Stairs, Railings, and Ramps
Creating & Modifying Stairs
<b>1:00 PM –2:00 PM –Lunch Break</b>
<b>2:00 PM –4: 00 PM –Session 8</b>
Working with Railings
Sketching Custom Stairs
Creating Ramps
Working with Curtain Walls
Creating Curtain Walls
Adding Curtain Grids Working with Curtain
Wall Panels Attaching Mullions to Curtain Grids
<b>Hands-On</b>
<b>4:00 PM –4:30 PM –Q &amp; A</b>

<b>DAY 4 –16/05/2024</b>
<b>10:00 AM –11:00 AM –Session 9</b>
Massing Creating
In-Place Masses using Forms
Adding Mass floors & Mass Components
Working with Shaft Opening
<b>11:00 AM –11:30 AM –Tea Break</b>
<b>11:30 AM –1:00 PM –Session 10</b>
Toposurface or Toposolid
Working with Site Features
Property Lines & Building Pads Adding
Site Components
<b>Hands-On</b>
<b>1:00 PM –2:00 PM –Lunch Break</b>
<b>2:00 PM –4: 00 PM –Session 11</b>
Annotating Construction Documents
Working with permanent & temporary Dimensions
Applying and Removing Constraints
Working With Text,
Model Text
Adding Detail Lines and Symbols
Creating Legends
<b>Hands-On</b>
<b>4:00 PM –4:30 PM –Q &amp; A</b>

<b>DAY 5 -17/05/2024</b>
<b>10:00 AM -11:00 AM -Session 12</b>
Materials Creating
New Materials & Modifying
Customizing Project Settings (Fill patterns, Line styles, Line weight)
Hands-On
<b>11:00 AM -11:30 AM -Tea Break</b>
<b>11:30 AM -1:00 PM -Session 13</b>
Schedules Creating
Schedule and Quantities
Modifying Schedules
Material Take-off
Exporting Schedule
Creating Construction Documents
Sheets Setting Up
Sheets (Title Blocks)
Placing and Modifying Views on Sheets
Printing Sheets,
Export to Image file
Hands-On
<b>1:00 PM -2:00 PM -Lunch Break</b>

<b>2:00 PM -4: 00 PM -Session 14</b>
Room & Area
Adding Rooms and Tags
Room Separation Line and Boundaries
Working with Colour fill or Scheme
Rendering & Walkthrough
Placing Camera & Creating Renderings
Saving Render image or export image
Creating a Walkthrough & Export
Working with Family
Creating Components in family template
Hands-On
<b>4:00 PM -4:30 PM -Valedictory</b>

**Inaugural Function:-** on the first day as per schedule inauguration was carried out in the department seminar hall. The event was presided by Dr C T Jayadeva, Principal and Mr Anil Ghaste, Mr Shiva Sharan were the chief guests for the event. Event started with the invocation and dignitaries were formally welcomed by Dr Kiran B M, HOD. As a part of presidential speech Dr C T Jayadev addressed the participants. Also a brief insight on BIM was given by Mr. Anil Ghaste. The event was concluded by Mr Gouthan D R with vote of thanks.



  
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Chikkamagaluru, KA, India  
Chikkamagaluru, Chikkamagaluru, 577102, KA,  
India  
Lat 13.340297, Long 75.797669  
05/13/2024 10:21 AM GMT+05:30  
Note : Captured by GPS Map Camera

||Jai Sri Gurudev||  
Sri Adichunchanagiri Shikshana Trust (R.)  
**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY**  
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Department of civil Engineering and ISCT  
Cordially invites you to the inaugural function of

**5 DAYS FDP ON ISCT<sup>®</sup>**  
**"BIM"**  
**INAUGURAL FUNCTION**

On 13th May 2024, Monday at 9:30 AM  
@ Civil Seminar Hall AIT, Chikkamagaluru

Divine Blessings: His Holiness Divine Soul Paramapoojya  
Jagadguru Padmabhushana  
**SRI SRI SRI Dr. Balagangadharanatha Maha Swamiji**

Divine Blessings: His Holiness Paramapoojya Jagadguru  
**SRI SRI SRI Dr. Nirmalanandanatha Maha Swamiji**  
Pontiff, Sri Adichunchanagiri Mahasamsthana Math

Gracious Blessings: **SRI SRI Gunanatha Swamiji**  
Secretary, Sri Adichunchanagiri Mahasamsthana Math,  
Sringeri, Chikkamagaluru Branch

Chief Guests: **Mr. Anil K. Ghaste**  
AEC Specialist, Technical Director, ISCT (GLOBAL  
INFOTECH), Autodesk Dharwad  
**Mr. Sharan Kumar**  
BIM trainer, ICAT, Darwad

President: **Dr. C.T. Jayadeva**  
Principal, AIT, Chikkamagaluru

  
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### Challenges Faced:

1. Lack of participation among certain faculty members due the academic schedule.
2. Technical difficulties during sessions.

### Recommendations:

1. Offer more hands-on workshops for practical skill development.
2. Implement a structured mentorship program for new faculty members.

**Valedictory:** On the last day as per schedule Valedictory was carried out in the department seminar hall. The event was presided by Dr C T Jayudev, Principal and, Mr Shiva Sharan was the chief guests for the event. Event started with the invocation and dignitaries were formally welcomed by Dr Kiran B M, HOD. Few participants gave their valuable feedback regarding the FDP. As a part of presidential speech Dr C T Jayudev addressed the participants. Mr. Shiva sharan was honored from the department side. The event was concluded by Mr Ranjith.P with vote of thanks.





### Faculty Feedback:



### Conclusion:

Overall impact was good, teaching crew has got really good hours of hands on training. Development program was grand success with a take away package.

**Acknowledgments:**

Thank all participants, facilitators and anyone else who contributed to the success of the program.

**Appendices:**

1. Feedback forms link:

[https://drive.google.com/drive/folders/INsDXcuODc8jopfqOTGqUCpOYpvoPaRQX?usp=drive\\_link](https://drive.google.com/drive/folders/INsDXcuODc8jopfqOTGqUCpOYpvoPaRQX?usp=drive_link)

2. University Circular

[https://drive.google.com/file/d/1qRDHViDAa0cU0Kg-xX1jzsala7cGL0m/view?usp=drive\\_link](https://drive.google.com/file/d/1qRDHViDAa0cU0Kg-xX1jzsala7cGL0m/view?usp=drive_link)

3. Brochure and schedule

[https://drive.google.com/drive/folders/1rGOjHAKNXSK2dKqctLtbaGOTToj4\\_9dB?usp=drive\\_link](https://drive.google.com/drive/folders/1rGOjHAKNXSK2dKqctLtbaGOTToj4_9dB?usp=drive_link)

4. CertificateLink:

[https://drive.google.com/drive/folders/1Wi\\_mxcH6P5Zx3URsJhG4uX9s8ENSq5EC?usp=drive\\_link](https://drive.google.com/drive/folders/1Wi_mxcH6P5Zx3URsJhG4uX9s8ENSq5EC?usp=drive_link)

FDP COORDINATORS

Head of the Department

  
Dr SANJITH J

  
Dr. KIRAN B. M.  
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Mr RANJITH P



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**3. Brochure and schedule**

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**4. CertificateLink:**

[https://drive.google.com/drive/folders/1Wi\\_mxcH6P5Zx3URsJhG4uX9s8ENSq5EC?usp=drive\\_link](https://drive.google.com/drive/folders/1Wi_mxcH6P5Zx3URsJhG4uX9s8ENSq5EC?usp=drive_link)



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