



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟ ಯು ಅಧಿನಿಯಮ 1994"ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)

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Prof. B. E. Rangaswamy, Ph.D

REGISTRAR

REF: VTU/BGM/BOS/Syllabus/557/2024-25/ 577

DATE: - 8 MAY 2024

CIRCULAR

Subject: 05 Days Faculty Development Program regarding...

Reference: Schedule and Brochure shared by the Chairperson BoS in CV VTU Belagavi

This is with reference to the subject cited above, Department of Civil Engineering of Adichunchanagiri Institute of Technology, Chikkamangaluru is conducting 05 day faculty development program on BUILDING INFORMATION MODELLING.

The details of the faculty development program and schedule are attached with this circular for concerned teachers reference.

You are hereby requested to bring the contents of this circular to the notice of all the concerned.

Encl: Schedule and Brochure of the FDP

REGISTRAR

To,

- The Principals of all Engineering Colleges under the ambit of the university
- The Chairperson /Program Coordinator of PG departments of VTU Belagavi

Copy to;

1. The Hon'ble Vice-Chancellor through the secretary to the VC for information
2. The Chairperson BoS in Civil Engineering, VTU Belagavi
3. The Director ITI SMU, VTU Belagavi for information and upload the attached circular on VTU web portal.
4. Office copy

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY



Estd: 1980

Accredited by NBA, NAAC, Affiliated to VTU, Belagavi
Recognised by AICTE, New Delhi, and Govt. of Karnataka
PB No. 91, Adichunchanagiri Extension, KM Road,
CHIKKAMAGALURU 577102, KARNATAKA, INDIA
Phone: Office: 08262 220444, Principal: 08262 220063,
Email id: office@aitckm.in



DEPARTMENT OF CIVIL ENGINEERING



5 DAY FDP ON BIM FROM 13th TO 17th MAY 2024

PROGRAM SCHEDULE

DAY 1 –13/05/2024
10:00 AM –11:00 AM –INAUGURATION
11:00 AM –1:00 PM –Session 1
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
Hands-On / Practice
1:00 PM –2:00 PM –Lunch Break
2:00 PM –4: 00 PM –Session 2
Basic Building Modelling
Setting up project units and levels
Placing grids and reference planes
Working with wall and wall types
Editing Commands
Hands-On / Practice
4:00 PM –4:30 PM –Q & A

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

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DEPARTMENT OF CIVIL ENGINEERING



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

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

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DEPARTMENT OF CIVIL ENGINEERING



DAY 5 –17/05/2024
10:00 AM –11:00 AM –Session 12
Materials Creating
New Materials & Modifying
Customizing Project Settings (Fill patterns, Line styles, Line weight)
Hands-On
11:00 AM –11:30 AM –Tea Break
11:30 AM –1:00 PM –Session 13
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
1:00 PM –2:00 PM –Lunch Break

2:00 PM –4: 00 PM –Session 14
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
4:00 PM –4:30 PM –Valedictory

Please scan below QR code for College Location



<https://maps.app.goo.gl/G2CvYM8NQeyBq42D8>

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Adichunchanagiri Institute of Technology (AIT) was established in the year 1980 at Chikkamagaluru, with the blessings of revered Jagadguru Padmabhushana Sri Sri Sri Dr. Balangadharanatha MahaSwamiji, Pontiff, of Sri Adichunchanagiri MahaSamsthana Math.

The Adichunchanagiri Institute of Technology is affiliated to Visvesvaraya Technological University, Belagavi and Recognized by All India Council for Technical Education, New Delhi. The Institute is Accredited by the National Assessment and Accreditation Council (NAAC) with "A" grade also the institute was Accredited twice by National Board of Accreditation (NBA).

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering stands out as one of the state's premier academic institutions. It boasts state-of-the-art laboratories and a team of highly qualified and experienced faculty members. This department was established in 1980 and has since grown to offer a wide range of educational programs

Currently, the department provides undergraduate and postgraduate programs in civil and structural engineering, accommodating 60 and 24 students, respectively. It is affiliated with VTU, Belagavi, ensuring a high-quality education for its students.

In essence, the Department of Civil Engineering is a leading institution known for its outstanding facilities, faculty, and commitment to academic excellence, serving as a hub for education and research in civil and structural engineering

ISCT

ISCT (Global Infotech) is a leading institution in technical education, marking almost THREE DECADES of delivering exceptional training and preparing students for successful careers in the technical field. Since its inception in 1996, ISCT has been committed to providing comprehensive, industry-aligned education to aspiring professionals. Over the past 28 years, ISCT (Global Infotech) has established itself as a premier institution, known for its state-of-the-art facilities, experienced faculty, and industry partnerships. We have consistently strived to offer programs that meet the evolving demands of the job market, ensuring that our graduates are equipped with the skills and knowledge required to excel in their chosen fields.

About the FDP

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 set them up in working drawings.
- To provide a forum to exchange views, ideas & the latest innovations.
- To offer learning on basics, emerging trends & challenges.
- To improve faculty ability in carrying out research, testing & consultancy.
- To focus on basic tools that most users need to work with Revit Architecture



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY



Department of Civil Engineering,
AIT
and
ISCT

Jointly Organizing

FIVE DAYS
FDP ON

"BIM
Building
Information
Modelling"

13th to 17th MAY 2024

Chief Patrons

His Holiness Paramapoojya Jagadguru
Padmabhushana Sri Sri Sri
Dr. Nirmalanandanatha MahaSwamiji
Pontiff, Sri Adichunchanagiri Mahasamsthana Math.
Dr. Vidyashankar S, Vice Chancellor, VTU

Patron

Poojya Sri Sri Gunanatha Swamiji
Sri Adichunchanagiri Mahasamsthana Math,
Sringeri, Chikkamagaluru Branch.
Dr. B. E. Rangaswamy, Registrar, VTU
Dr. T. N. Sreenivasa, Registrar (Evaluation), VTU
Dr.C.K.Subbaraya, Registrar ACU,B.G.Nagara
Dr C.T.Jayadeva, Principal AIT

Advisory committee

Dr.H.B. Balakrishna, BOS-Chairman Civil
Composite Board (VTU).
Dr. T. Mahadevaiah, HOD, Civil Dept, BGSIT.
Dr. G. Narayana, HOD, Civil Dept, SJCIT.

Organizing Committee

Dr. Kiran.B.M, Professor & HOD
Dr. Vijay Kumar.Y.M, Professor
Prof H.G.Shekhar, Associate Professor
Prof Yogananda, Assistant Professor
Prof Shruthi.C.G, Assistant Professor
Prof Ashwini.B.T, Assistant Professor
Prof Kavan.M.R, Assistant Professor
Prof Naveen Kumar.S.M, Assistant Professor
Prof Chethan.V.R, Assistant Professor
Dr. Kavya.B.R, Assistant Professor
Prof Abhilash.D.T, Assistant Professor
Prof Goutham.D.R., Assistant Professor
Prof Dhanalakshmi.C.K, Assistant Professor
Prof Seema.B.S, Assistant Professor
Prof Vinaykumar.C.V, Assistant Professor

Coordinators

Dr. Sanjith.J
Assistant Professor, Department of Civil Engineering
Contact No: 9916117071
Email Id: evaitckm@gmail.com

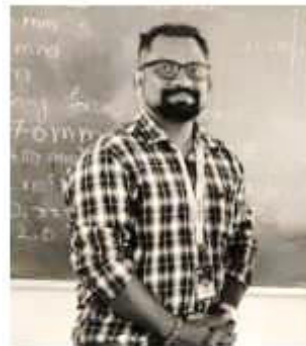
Prof. Ranjith.P

Assistant Professor, Department of Civil Engineering
Contact No: 8746914849
Email Id: evaitckm@gmail.com

RESOURCE PERSONS



Mr. ANIL.K.GHASTE
AEC Specialist
Technical Director
ISCT (GLOBAL INFOTECH),
Autodesk Dharwad



Mr. KIRAN PATIL
BIM Specialist
Head – CAD Operations
ISCT (GLOBAL INFOTECH),
Autodesk Dharwad

Registration Fee Rs 500/-

Payment to be made using the QR Code (below).
Last date for Registration is 03/05/2023.
Certificates will be provided from Autodesk to all
the participants present for all the sessions.

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

VPA : 9448616690@kbl



Registration Link

<https://forms.gle/8KURfbrTZi5eetoZ6>

Dates:

13th to 17th MAY 2024

VENUE:

ADICHUNCHANAGIRI INSTITUTE
OF TECHNOLOGY
CHIKKAMAGALURU

CONTACT:

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