

CHIEF PATRON

Dr. Shamanuru Shivashankarappa
Honorary Secretary, BEA, Davanagere
MLA (Davanagere South Constituency)

PATRONS

Sri. S S Mallikarjuna
Honorary Joint Secretary, BEA, Davanagere
Honorable Minister, Govt. of Karnataka

Prof. Y Vrushabhendruppa

Director, BIET, Davanagere

Dr. H B Aravinda

Principal, BIET, Davanagere

CONVENERS

Dr. C S Vijaya Kumar

Professor & Head
Dept. of Civil Engg., BIET, Davanagere

Sri. Pradeep Kallur

Managing Director
Medini Technologies, Bengaluru

COORDINATORS

Dr. Chidananda G, Professor
Sri. Savan R G Basavaraj, Assistant Professor
Sri. Akash C Arakere, Assistant Professor
Sri. Sharathraj R M, Assistant Professor
Dept. of Civil Engg, BIET, Davanagere

VISION OF THE DEPARTMENT

To train the students to become Civil Engineers with leadership qualities, having ability to take up professional assignments and research with a focus on innovative approaches to cater to the needs of the society.

MISSION OF THE DEPARTMENT

1. To provide quality education through up dated curriculum and conducive teaching learning environment for the students to excel in higher studies and competitive examinations and professional career.
2. To impart soft skills, leadership qualities and professional ethics among the graduates to handle the projects independently with confidence.
3. To deal with the contemporary issues and to cater to the socio-economic needs.
4. To build industry institute interaction and to establish good rapport with alumni.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO 1: Core Competence: Graduates will be able to plan, analyse, design and construct sustainable Civil Engineering Infrastructure.

PEO 2: Professional skills: Graduates will be professional engineers with a sense of ethics, creativity, leadership, self-confidence and independent thinking to cater to the needs of the society.

PEO 3: Societal needs: Graduates will be able to contribute effectively for the development of industry and professional bodies.

PEO 4: Cognitive Intelligence: Graduates will be able to take up competitive examinations, higher studies and involve in research and Entrepreneurship activities.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Students after the completion of the Program will be able to

1. Apply the fundamental concepts, software and codal provisions in the analysis, design and construction of sustainable civil engineering infrastructure.
2. Inculcate professional and leadership qualities, sense of ethics and confidence related to Civil engineering.

Faculty will be able to

Contribute to the overall development of civil engineering community through the professional bodies and offer services to the society.

Five Days FDP

on

Building Information Modeling in Civil Engineering: Empowering Educators

(5th to 9th of August 2024)

Organized By



Department of Civil Engineering
Bapuji Institute of Engineering and Technology
Davanagere – 577 004

in association with



Medini Technologies



Autodesk



IQAC – BIET



Indian Society for Technical
Education BIET Chapter

BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY

BIET is one of the premier engineering institutes in Karnataka. Established in the year 1979 and celebrated its silver jubilee during the year 2004-05. The Institute is recognized by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University, Belagavi, Karnataka. The institute has got recognition under section 2(f) and 12(B) of UGC act. The Institute is accredited with 'A' grade by NAAC for a period of 5 years from 2023-2028. The Institute is offering 13 undergraduate, 4-post graduate and 15 doctoral programs in various disciplines. The Institute is granted with Autonomy status from UGC and VTU from the academic year 2024-25.

CIVIL ENGINEERING DEPARTMENT

The Department of Civil Engineering was established in the year 1979. Department offers UG program in Civil Engineering, PG programs in Environmental Engineering and Structural Engineering. The department has two research centers viz. Environmental Science & Technology Study Center and Civil Engineering research center accommodating research scholars from various Institutes and Industries. The department has well experienced and distinguished faculty with specialization in major areas of civil engineering. The department provides testing and consultancy services to various agencies. The department is proud to have distinguished alumni doing excellent professional work at the global level. Department was accredited by NBA in 2004, 2008, 2011, 2021 and also for 3 years from 2024 to 2027.

ABOUT FDP

Building Information Modeling (BIM) transcends traditional 2D drawings, offering a sophisticated 3D model infused with rich data. This digital twin encapsulates every aspect of a structure, from architectural details to material specifications and cost

estimations. It fosters seamless collaboration between architects, engineers, and contractors, enabling them to identify clashes, optimize designs, and make informed decisions in a virtual space. BIM is not simply a technological advancement; it's a paradigm shift within the construction industry. By empowering collaboration and data-driven decision-making, BIM is shaping the future of built environments, ensuring greater efficiency, sustainability, and quality.

ABOUT MEDINI TECHNOLOGIES

Medini Technologies, a leading name in design technology, empowers professionals in India engineering, construction, and architecture landscape. They excel in software training, authorized by giants like Autodesk and Bentley, equipping individuals and academia with industry-relevant skills. Their expertise extends to engineering consultancy, where they leverage cutting-edge design solutions for diverse projects, from manufacturing to construction. Collaboration is key, as they partner with corporate and academic institutions, tailoring training programmes to specific needs and aligning with industry trends.

RESOURCE PERSONS

Sri. Veeresh Goni Sri. Shankar A Goni

Digital Transformation Educators
Medini Technologies

CONTACT DETAILS FOR REGISTRATION

Sri. Savan R G Basavaraj, 8884040442

Sri. Akash C Arakere, 8553654901

Sri. Sharathraj R M, 6360705276

Assistant Professors
Dept. of Civil Engg., BIET

FDP Schedule

Day 1 5/8/24 Monday	Introduction Building Information Modelling, Revit Projects: Project Templates, Revit File Types Working with Revit Elements and Families Exploring the User Interface Starting a Project. Setting Up Levels and Grids (Datum Planes) Setting up Levels & Modifying Creating Grids
Day 2 6/8/24 Tuesday	Modelling Walls Creating Walls Modify wall types. Working with Doors and Windows Loading Door and Window Types from the Library Creating Additional Door and Window Sizes.
Day 3 7/8/24 Wednesday	Using Editing Tools & Working with Views: Using Editing Commands Setting the view display Visibility Graphics, Duplicate Views Elevations & Sections, Adding Callout Views Creating and Modifying 3D Views.
Day 4 8/8/24 Thursday	Modelling Floors Creating and Modifying Floors, Modelling Roofs Creating Roofs by Footprint Using Join & unjoin roof.
Day 5 9/8/24 Friday	Modelling Stairs, Railings, and Ramps Creating & Modifying Stairs Working with Railings Sketching Custom Stairs Creating Ramps