

	Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati 2023-24	 
	Department of Civil Engineering	
	Report on Guest Lecture conducted	

Details of Guest:	Er. Parag Deshmukh, B. E (Civil Engg.), M.Tech (Structures) Director CAD DESK software Training Institute, Balaji Nagar Pune
Topic for Lecture	"Introduction to Building Information Modelling (BIM) system and other Civil Engineering softwares"
Type (online /offline), Location	Online: Google meet meeting
Class and Semester	BE Civil, 2019 Pattern (Sem:VII) and Alumni
No. of Participants:	52
Date of Lecture:	27 th Sept. 2023, Wednesday
Time & duration	betn 3:30 pm to 4:30 pm (1 hour)
Course (Subject)	Airport and Bridge Engineering (Elective -IV) 401004 d
Guest lecture organized under	Center of excellence 'Town and Country Planning'
Guest lecture organized by	Prof. D. G. Patil, Department of Civil Engineering
Link of recorded session / remark	https://drive.google.com/file/d/16OJ07mC57StoED6qTRgfASmQS70iyiZH/view?usp=sharing
Link for report	https://www.vpkbiet.org/dept_Civil.php
Objective of session	As a part of syllabus and for exposure to latest softwares used in Industry



Vidya Pratishthan's

Kamalnayan Bajaj Institute of Engineering and Technology, Baramati

Department of Civil Engineering

under center of Excellence 'Architecture and Town Planning'

Is organizing an expert lecture as a part of ' experts talk series'

on

"Introduction to Building Information Modeling (BIM) system and other Civil Engineering softwares"

For BE Civil Engg students and Alumni





GUEST
Er. Parag Deshmukh
B.E (Civil Engg.), M.Tech (Structures)
Director CAD DESK Balaji Nagar Pune



Date: 27 Sept. 2023, Wednesday
Time: 3:30 pm to 4:30 pm

Live Stream through



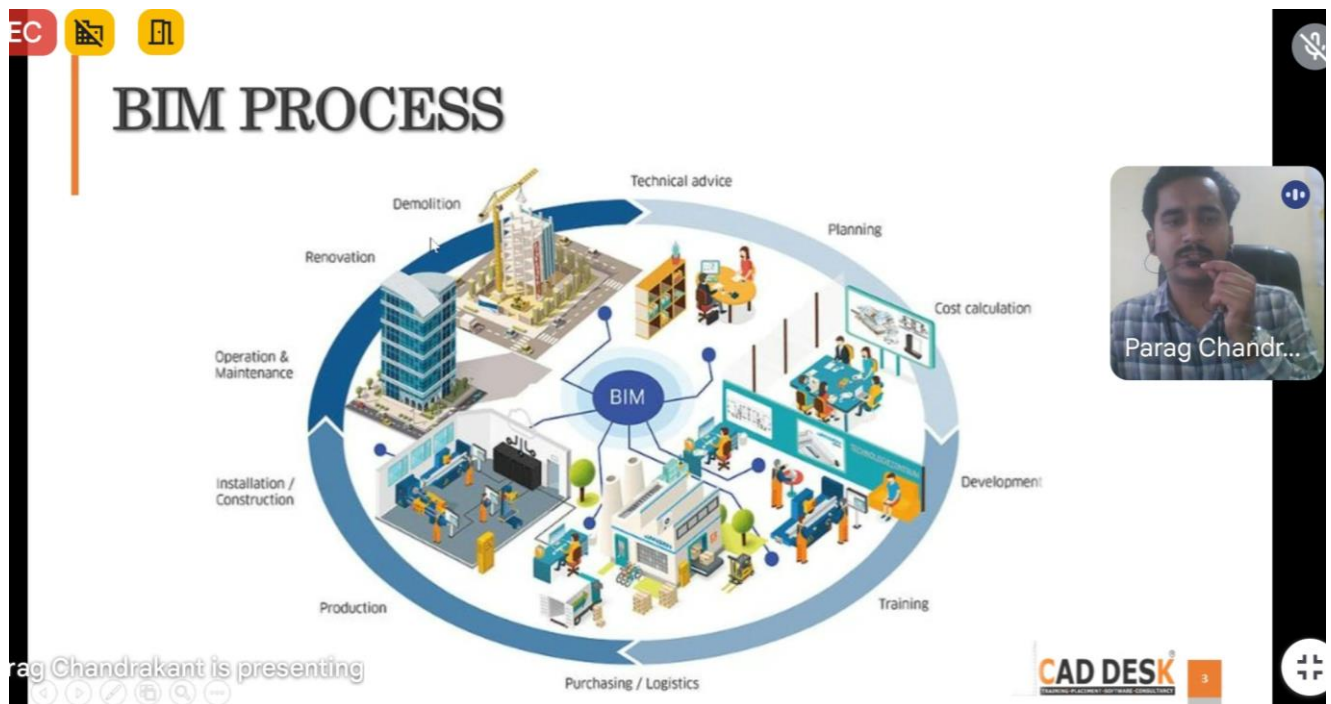
Short report on guest lecture conducted on 27th Sept. 2023, Wednesday by Er. Parag Deshmukh

Dept of Civil Engineering of VPKBIET Baramati has organized a session of **Er. Parag Deshmukh** for Engineering students and Alumni on **27th Sept. 2023, Wednesday** betn **3:30 pm to 4:30 pm** on topic **"Introduction to Building Information Modelling (BIM) system and other Civil Engineering softwares"** '. He explained basics and applications of BIM & some other important softwares and he also motivated students for academic preparation and acquiring skill with the expertise in softwares. This expert lecture was conducted under centre of Excellence 'Architecture and Town Planning' as a part of 'Experts Talk series'.

Outcome: He explained BIM system from syllabus of subject **Elective IV: Airport and Bridge Engineering of BE** and explained some other important softwares used in different projects as per the need of construction industry. This session was very much interesting and students came to know the latest softwares used for planning of infrastructure and building projects. He explained opportunities available with students by acquiring expertise and developing skills in softwares.

Relevance to program outcomes: PO1, 2, 3, 4, 5,6, 8, 9 ,12

Some photos taken during the session:





Lets Understand How BIM works with CAD CAM CAE

BIM is a process for creating and managing information on a construction project throughout its whole life cycle.

- Drafting & Planning
- Modeling & Detailing



Parag Chandrakant is presenting



AUTOCAD

About

- ✓ Most powerful programs developed by Autodesk for Civil, Architecture, planning, urban engineers.
- ✓ Computer-aided design (CAD) drawings—like those generated in AutoCAD software—are an integral part of a BIM system. All the information that represents BIM is generally overlaid on CAD drawings and mockups, giving context to the infrastructure, systems, and design elements of a building.
- ✓ CAD drawings are a fundamental part of BIM. Without the detailed, comprehensive markup of a building and its systems,
- ✓ It helps engineers to save time and enhance productivity.



Parag Chandrakant is presenting

REVIT MODULE

REVIT MODULE

REVIT ARCHITECTURE

Autodesk Revit Architecture is a modelling and detailing tool, that is best suited for architects and modelling purposes. Revit Architecture specific tools can be found on the 'Architecture' tab. It is all about the build environment.

REVIT STRUCTURE

Revit Structure is a structure tool that is primarily used by structural engineers. Autodesk narrowly differentiates between Revit, MEP and Structure so as to increase the functioning and work progress.

REVIT MEP

Autodesk Revit MEP, or Mechanical, Electrical and Plumbing is a BIM tool that helps in working on MEP engineering designs. Its tools are about the systems involved in mechanical systems (ventilation), electrical distribution systems, and plumbing and gas systems.



Parag Chandr...

Parag Chandrakant is presenting

PRIMAVERA /MSP

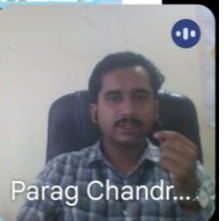
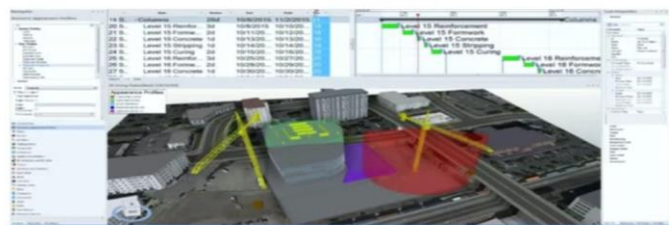
About

- Manage projects of any size with Primavera P6 EPPM. Robust, and easy-to-use, Primavera P6 EPPM is the solution for globally prioritizing, planning, managing, and executing projects, programs, and portfolios.
- Plan, schedule, and control large-scale programs and individual projects
- Secure multiuser access to schedules
- Allow project managers to coordinate costs
- Open and schedule multiple projects simultaneously
- Adaptable views
- Team member interfaces for gathering status updates

PRIMAVERA

MSP

SCHEDULING PLANNING & BUDGETING



Parag Chandr...

Parag Chandrakant is presenting

TEKLA STRUCTURE DESIGNER

About

- **Designed for BIM**
- We have developed Tekla Structural Designer specifically to help the design engineer maximize collaboration with all other project parties, including architects, fabricators and contractors. BIM integration offers a smooth and effective way to maintain quality, reduce rework and drive seamless collaboration.
- From scheme design to detailed design, one model will cover all your structural analysis and design requirements, encompassing both gravity and lateral systems. With Tekla Structural Designer there are no additional modules to buy so you will not waste time switching between multiple software packages.



Parag Chandr...

STRUCTURE

REAL TIME
ANALYSIS

CLASH
CHECKS

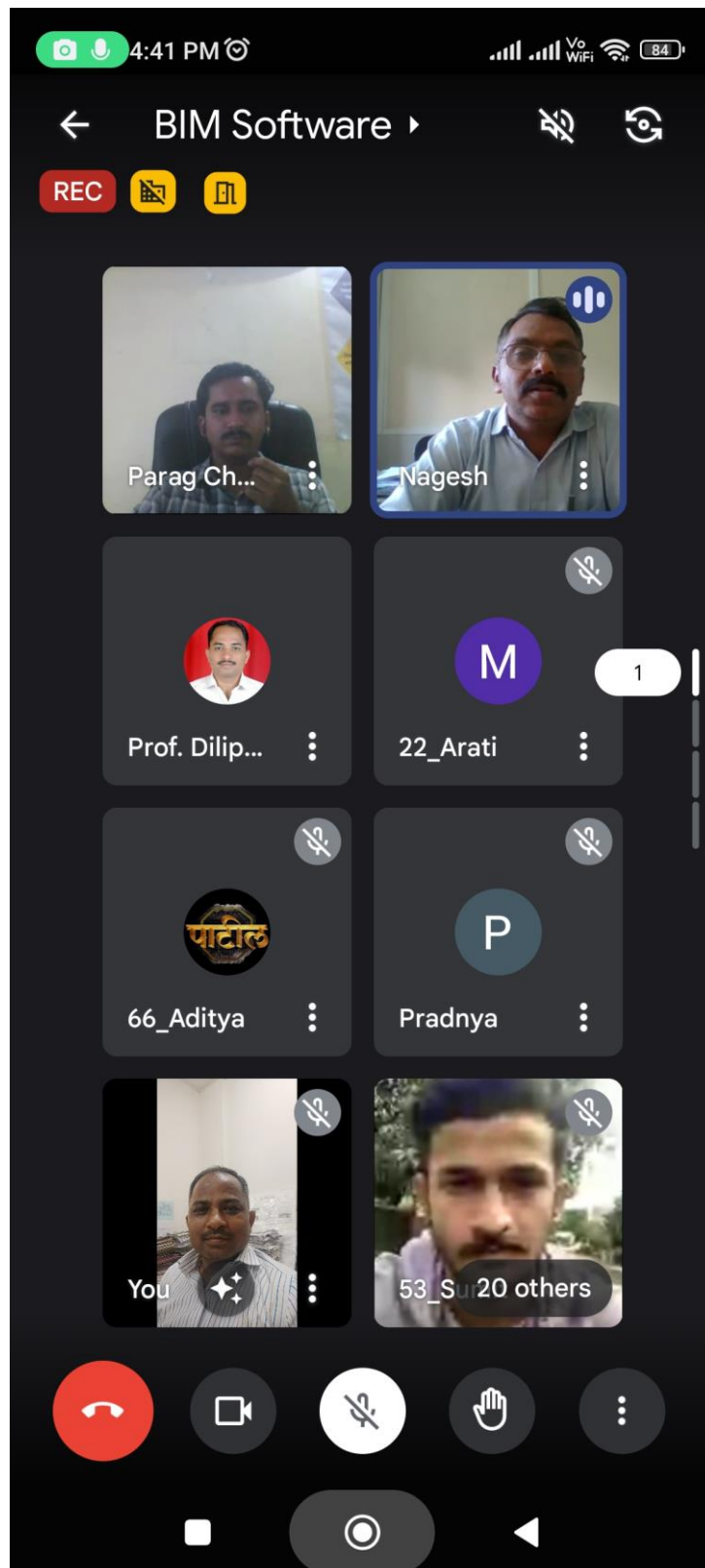
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Parag Chandrakant is presenting



Parag Chandr...

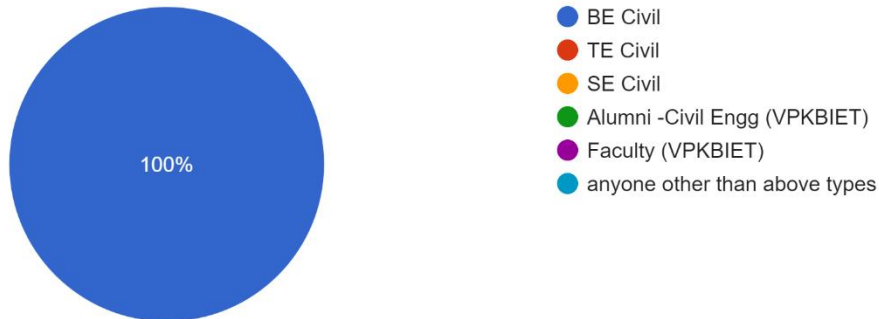
Parag Chandrakant is presenting



Feedback analysis:

Class/ Type of participant

52 responses



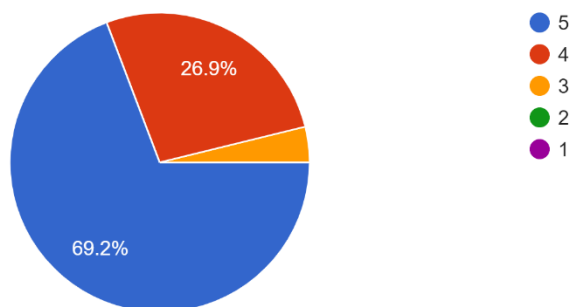
Whether today's session was informative ?

52 responses



How would you rate today's session on the scale of 5 to 1 (5=Best and 1=Poor)?

52 responses



What did you learn from this expert talk?

52 responses

- AutoCAD most important in civil engg
- Courses are useful in civil engineering
- The session is very helpful to know about various softwares required for Civil Engineering
- Learning software is necessary to make career in civil engineering
- Too much information
- This information is very helpful for the job
- I learnt about various softwares in Civil Engineering such as StadPro, AutoCAD, Revit, Primavera etc. and introduction about BIM.
- Great experience
- Various BIM tools which can be used for BIM modelling. It is an interesting topic. BIM is an advanced topic.

What did you learn from this expert talk?

52 responses

- Software information
- BIM software
- BIM and other software
- Many things
- Really informative
- Understand the various software use in the civil Engineering field and how this software works
- Nice
- AutoCAD software is very important software in civil engineering for drawing plan maps
- Information about the various software