A Report

On

"Basics of Cost Estimation and Cost Analysis of Building"

February 09, 2022

Coordinated by

Dr. Pooja Gupta

Mr. Divya Vishnoi

Organized by



SESSION: 2021-22

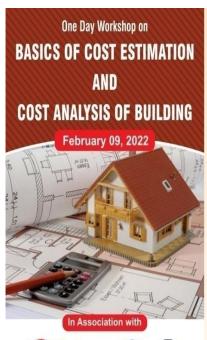
DEPARTMENT OF CIVIL ENGINEERING
POORNIMA COLLEGE OF ENGINEERING
JAIPUR, RAJASTHAN- (INDIA)

Dr. Mahesh Bundele
B.E. M.E., Ph.D.
Director
Poornima College of Engineering
131-0, Fulco Institutional Area

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1. WORKSHOP BROCHURE









Organized by

Department of Civil Engineering



Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA

ABOUT INSTITUTE

Poornima College of Engineering (PCE), established as a brand of technical education in the year 2000, has its own glorious legacy of

leading the young engineers to the mammoth sky of success. Its accomplishments forecast its journey through the hardships and its triumph over them one after another. PCE left no stone unturned since its establishment in turning the glorious vision into unbelievable reality providing



the platform for knowledge and research and their practical implementations in different engineering professional prospects. Glorious glimpses of PCE:

- · Highly recognized and renowned affiliated technical institution all over Rajasthan with built up area more than 3.5 lacs square
- Affiliated to RTU, Kota & approved by AICTE, New Delhi
- · The most preferred NBA Accredited Engineering College with running of six specializations of Engineering at UG Level (CSE, ECE, EE, ME, IT, CIV) and two at PG level (CS & VLSI)
- The only institution permitted by RTU to admit FN/PIO/Gulf students & designated as centre of excellence by IBM

ABOUT DEPARTMENT

The Civil Engineering Department of PCE came into existence in the year 2011 with an alignment of the department's evolution with key events and technological advances for the betterment of the society and nation. At present, it has the intake of 60 students providing all the amenities of infrastructure related to knowledge, research, experiments and training of multiple professions. Poornima College of Engineering believes that Civil Engineering is an evergreen branch in the engineering profession. Therefore, the Department of Civil Engineering has renowned scholars as the faculty members for sharing the knowledge. It has been taking initiatives for the versatile enhancement of the students through the technical, cultural and sports fests since its inception.

ABOUT WORKSHOP

This workshops is a significant pedagogical tool to expand student learning experiences in practice environment.

The aim of the workshop is to connect students with practical importance of Estimating and costing. They can learn to create accurate construction cost estimates and also improve practical skills of students required in field. The Workshop will be organized to develop a clear understanding of Bar bending Schedule, rate analysis and control the expenditure during the execution of work.

PATRON Dr. Mahesh M. Bundele Principal & Director, Poornima College of Engineering

GENERAL CHAIR

Mr. Pankaj Dhemla Vice-Principal, Poornima College of Engineering

PROGRAM CHAIR

Dr. Pran Nath Dadhich (Professor & Head, Department of Civil Engineering, PCE)

COORDINATOR

Dr. Pooja Gupta (Professor, Civil Engineering, PCE)

PCE ORGANIZING COMMITTEE

Dr. Manoj Gattani Associate Professor Mr. Balwan Seshma Assistant Professor Mr. Ritu Raj Singh Rathore Assistant Professor Mr. Laxmikant Saini Assistant Professor Mr. Vikas Sharma Assistant Professor Mr. Prateek Sharma Assistant Professor Mr. Sonu Kumar Yadav

RESOURCE PERSONS

Mr. Denis Jangeed, Assistant Professor, Geetanjali Institute of Technical studies Udaipur Rajasthan India

Mr. Sunil Sharma, Sr. Project Manager Mohan Enterprises Mr. Divya Vishnoi, nt Professor PCE, Jaipur

WORKSHOP SCHEDULE

Wednesday, Feb. 09, 2022

9:30 am to 2:00 pm

ELIGIBILITY

This course is open to all the Students & Faculty of AICTE Approved Institutions and Research Scholars. Number of participants for workshop is limited. All the sessions will be conducted online only.

REGISTRATION

- · There is no registration fee
- · E-Certificates will be provided after successful completion

https://forms.gle/cDNrutSFjDCJfRzr8

Dr. Pooja Gupta

☑: pooja.gupta@poornima.org • ②: 9828889752

2. WORKSHOP SESSION PLAN

Date	Tim e	Sessi	Session Title	Name of Reference/Res ource Person	Designat ion	Affiliatio n	Email-id
09/02/2022	9:40 - 9:50 AM	1	Inaugura 1 Session	Dr. Mahesh Bundele, Mr. Pankaj Dhemla, Dr. Pran N Dadhich, Dr. Pooja Gupta, Mr. Divya Vishnoi			
	9:50 - 11:3 0	2	Introduct ion to design home with cost estimatio n using Software	Mr. Denis Jangeed	Assistant Professor	GITS, Udaipur	denish.jangid0@gmail. com
	12:1 0- 2:00 PM	3	Basics of Estimati on, Bar Bending Schedule and Rate analysis	Mr. Sunil Sharma	Sr. Project Manager	Mohan Enterpris es, Jaipur	Sunil.sharma@mohane ntp.com
	2:00 - 3:00 PM	4	Estimati on of compone nts of a residenti al building	Mr. Divya Vishnoi	Assistant Professor	Poornima College of Engineeri ng, Jaipur	divya.vishnoi@poorni ma.org
	3:00 - 3:15	FEEDBACK / DISCUSSION					

3. GLIMPSE

A). Inaugural session

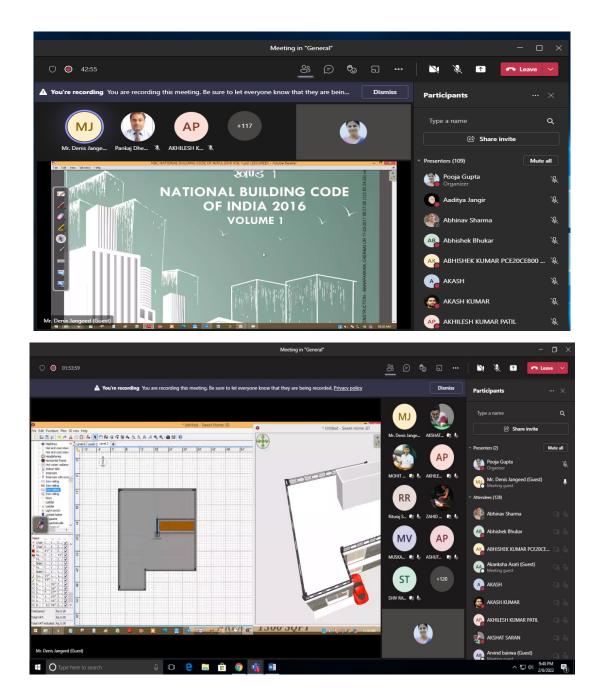


Session-1

Introduction to design home with cost estimation using Software

Expert: Mr. Denis Jangeed, Assistant Professor, Department of Civil Engineering Geetanjali Institute of Technical studies Udaipur Rajasthan India.



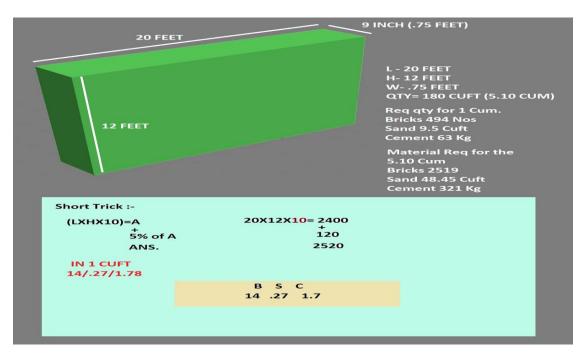


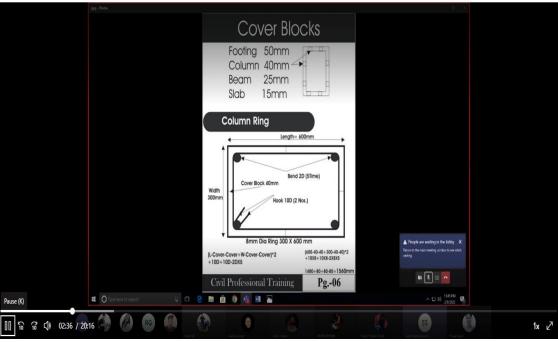
Session -2

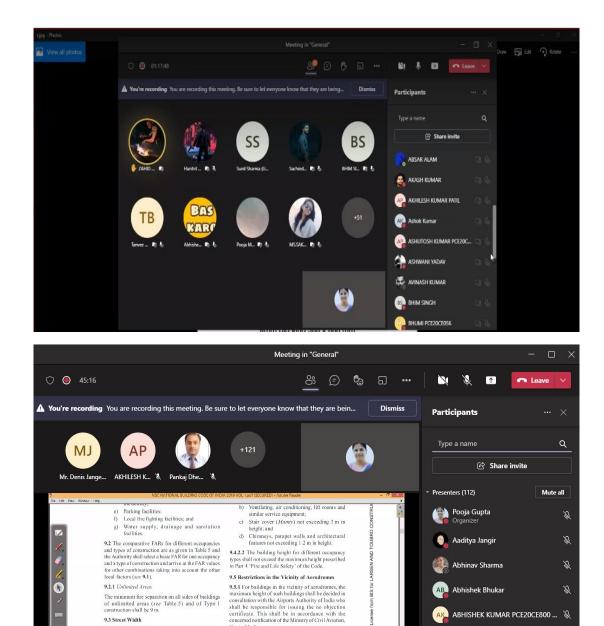
Basics of Estimation, Bar Bending Schedule and Rate analysis

Expert: Mr. Sunil Sharma, Mohan Enterprises, Sr Project Manager, P-11 Prestige Apartment Sahdev Marg, C-Scheme Jaipur. He had Over 10 years of cross-cultural experience in projects planning and monitoring of resource, cost, material, and machinery for various construction projects using Project management tools. Working Experience with Career Point Kota, CFCL Kota, ACC Cement H.P., SDC Group Jaipur, ARG Group Jaipur, Felicity Group, Jaipur









Session 3:

Estimation of components of a residential building

The height and number of storeys shall be related to FAR and the provisions of 8.

9.4.1 Where a building height is not covered by Table 5.

9.3 Street Width

9.4 Height Limit

Expert: Mr. Divya Vishnoi, Assistant Professor in the Department of Civil Engineering Poornima College of Engineering, Jaipur. He had done graduation from Rajasthan Technical university in year 2012 and later acquired his M. Tech in Structural Engineering in 2019. Currently He is pursuing Ph. D. from Poornima University. He had credited more than 15 research papers in reputed international and national journals and conferences. His area of

9.5.1.1 For the purpose of 9.5.1, new buildings and structures coming up in the vicinity of an aerodrome shall be subjected to height restrictions in accordance with the subject notification.

No building or structure higher than the height specified in the subject notification shall be constructed or erected

and no tree which is likely to grow or ordinarily grows

Dr. Mahesh Bundele B.E., M.E., Ph.D. Director ocrnima College of Engineering 131-6, RIICO Institutional Area Stlapura, JAIPUR

🗽 ABHISHEK KUMAR PCE20CE800 ... 🎉

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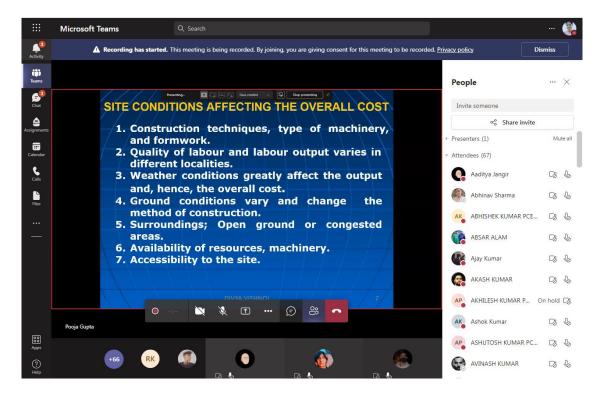
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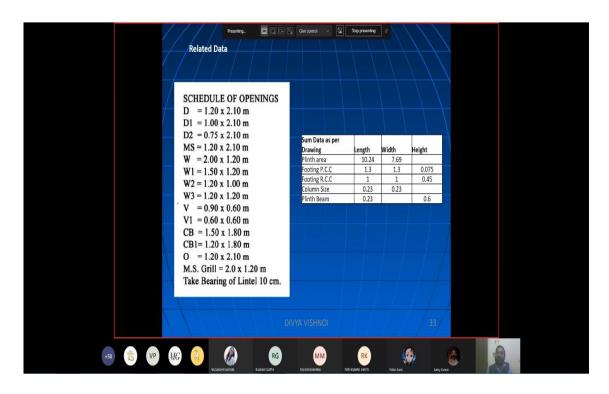
A AKASH

AKASH KUMAR

AKHILESH KUMAR PATIL

interest is Earthquake Disaster management and Structural design. He has 8 years teaching experience and also has experience in the planning and designing field.

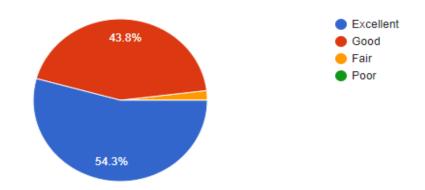




FEEDBACK:

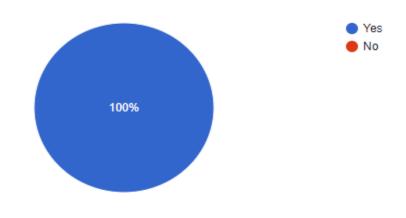
How was the Content in the presentation?

105 responses



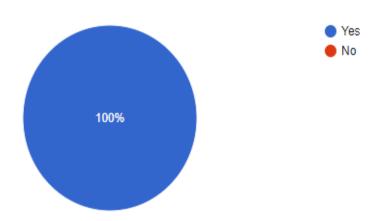
Relevance of the Workshop with Civil Engineering

105 responses



Does this Workshop motivate you?

105 responses



5. PARTICIPANT DETAILS

S. No.	Year	Enrolment ID / College ID	Student Name
1	Final Year	PCE18CE001	Ahmed
2	Final Year	PCE18CE002	Aizaz
3	Final Year	PCE18CE003	Aman Chaturvedi
4	Final Year	PCE18CE005	Anil Gupta
5	Final Year	PCE18CE006	Arvind Singh Rathore
6	Final Year	PCE18CE007	Astha Chaturvedi
7	Final Year	PCE18CE008	Chandra Prakash
8	Final Year	PCE18CE009	Deepak Jhirwal
9	Final Year	PCE18CE010	Deepesh Yadav
10	Final Year	PCE18CE011	Divyanshu Kumawat
11	Final Year	PCE18CE012	Falansh Sharma
12	Final Year	PCE18CE013	Govind Kumar Meena
13	Final Year	PCE18CE014	Harsh Agrawal
14	Final Year	PCE18CE015	Himanshu Rajput
15	Final Year	PCE18CE016	Hitesh Kumar Mina
16	Final Year	PCE18CE017	Kshitij Fofliya
17	Final Year	PCE18CE018	Lakshya Gupta
18	Final Year	PCE18CE020	Mahendra Kumar Choudhary
19	Final Year	PCE18CE021	Manokamna Singh
20	Final Year	PCE18CE022	Mohammed Aman Dayer
21	Final Year	PCE18CE024	Payash Choudhary
22	Final Year	PCE18CE025	Piyush Garg
23	Final Year	PCE18CE026	Prakshit Rajoriya
24	Final Year	PCE18CE027	Pranjul Mittal
25	Final Year	PCE18CE028	Rajat Kumar
26	Final Year	PCE18CE031	Reshma Choudhary
27	Final Year	PCE18CE032	Ruchi Agarwal
28	Final Year	PCE18CE033	Satyam Sharma
29	Final Year	PCE18CE034	Saurabh Kumar
30	Final Year	PCE18CE035	Shakti Rathore
31	Final Year	PCE18CE037	Shubham Kumar K
32	Final Year	PCE18CE038	Shubham Nair
33	Final Year	PCE18CE039	Sumer Yadav
34	Final Year	PCE18CE040	Vikas Ranjan
35	Final Year	PCE18CE041	Harsh Jangir
36	Final Year	PCE18CE043	Harihar Sah
37	Final Year	PCE18CE044	Parvinder Singh
38	Final Year	PCE19CE702	Md Afzal Khan
39	Final Year	PCE19CE704	Sachin Kumar Awasthi
40	Final Year	PCE19CE705	Shraddha Upadhyay
41	Third Year	PCE19CE001	Abhinav Anand

42	Third Year	PCE19CE002	Akash
43	Third Year	PCE19CE003	Aman Mohammed
44	Third Year	PCE19CE004	Amit Nitharwal
45	Third Year	PCE19CE005	Ankit Lawaniya
46	Third Year	PCE19CE006	Arpit Rajput
47	Third Year	PCE19CE007	Ashwani Yadav
48	Third Year	PCE19CE011	Bhupesh Saini
49	Third Year	PCE19CE012	Bhuvnesh Meena
50	Third Year	PCE19CE013	Chetan Kumar Bairwa
51	Third Year	PCE19CE014	Dhananjay Rathore
52	Third Year	PCE19CE015	Dhruv Mathur
53	Third Year	PCE19CE016	Dushyant Kumar Verma
54	Third Year	PCE19CE017	Garima Kalyan
55	Third Year	PCE19CE018	Gaurav Sharma
56	Third Year	PCE19CE019	Gautam Rajput
57	Third Year	PCE19CE025	Kuldeep Meena
58	Third Year	PCE19CE026	Kunal Gurjar
59	Third Year	PCE19CE027	Lalit Meena
60	Third Year	PCE19CE028	Manish Kumawat
61	Third Year	PCE19CE029	Md Mobasshir
62	Third Year	PCE19CE030	Mehul Mathur
63	Third Year	PCE19CE031	Ms Shreya Dadhich
64	Third Year	PCE19CE032	Ms Shivani Mina
65	Third Year	PCE19CE033	Muskan Verma
66	Third Year	PCE19CE036	Parth Sharma
67	Third Year	PCE19CE037	Praveen Bhardwaj
68	Third Year	PCE19CE038	Pravesh Kumar Meena
69	Third Year	PCE19CE039	Rachna Achra
70	Third Year	PCE19CE042	Ritik Kumar Khatri
71	Third Year	PCE19CE046	Tanvi Verma
72	Third Year	PCE19CE047	Tarun Kumar Meena
73	Third Year	PCE19CE048	Utsav Meena
74	Third Year	PCE19CE049	Vasundhara
75	Third Year	PCE19CE050	Vikas Choudhary
76	Third Year	PCE20CE800	Abhishek Kumar
77	Third Year	PCE20CE801	Ashutosh Kumar
78	Third Year	PCE20CE802	Dharmraj Saini
79	Third Year	PCE20CE803	Dilkush Sain
80	Third Year	PCE20CE804	Gautam Kaushik
81	Third Year	PCE20CE805	Piyush Bansal
82	Third Year	PCE20CE806	Rahul Poornia
83	Second Year	PCE20CE001	Aaditya Jangir
84	Second Year	PCE20CE002	Abhinav Sharma
85	Second Year	PCE20CE007	Arvind Khatik
86	Second Year	PCE20CE008	Aryan Diwala
87	Second Year	PCE20CE009	Ashok Kumar



88	Second Year	PCE20CE010	Bhupendra Kumar
89	Second Year	PCE20CE011	Chirakshi Agarwal
90	Second Year	PCE20CE012	Harish Kumar Chauhan
91	Second Year	PCE20CE013	Hemant Saini
92	Second Year	PCE20CE014	Himanshu Sharma
93	Second Year	PCE20CE015	Jaswant Singh
94	Second Year	PCE20CE016	Jatin Meena
95	Second Year	PCE20CE017	Jeetkesh Meena
96	Second Year	PCE20CE018	Kamal Kant Bairwa
97	Second Year	PCE20CE019	Komal Kumari
98	Second Year	PCE20CE020	Kriyanshu Meena
99	Second Year	PCE20CE021	Kunal Matted
100	Second Year	PCE20CE022	Lekhraj Meena
101	Second Year	PCE20CE025	Mssakshi Sharma
102	Second Year	PCE20CE026	Mssaloni Tabiyar
103	Second Year	PCE20CE047	Vikas Dhukiya
104	Second Year	PCE20CE052	Harshit Sharma
105	Second Year	PCE20CE054	Ms Pooja Meena

FEEDBACK FORM

