



POORNIMA
COLLEGE OF ENGINEERING

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Final Year Project List & Certificates (Session 2023-24) Department of Civil Engineering

Program Name: B. Tech. (Civil Engineering)
Program Code: CE

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
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Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

Poornima College of Engineering
Department of Civil Engineering
Project List IV Year (2023-24)

Program Name: B. Tech. (Civil Engineering) Program Code: CE

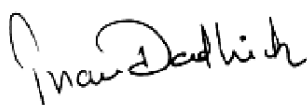
S No	Group	Registration No	Student name	Focused Area	Title	Guide Name
1	G1	PCE20CE040	Shubham garg	Environment and gis	Mapping of spatial variation in groundwater quality of sitapura	Dr. Santanu Mallik
2		PCE20CE042	Sindhu kumari			
3		PCE20CE050	Virendra soni			
		PCE20CE051	Vishal karol			
4	G2	PCE20CE023	Kiran gaud	Remote sensing based time series analysis	Study on impact of climate change on Ist: a remote sensing based time series analysis	
5		PCE20CE031	Prateek sharma			
6		PCE20CE025	Sakshi sharma			
8	G3	PCE20CE057	Shyam sundar meena	Environment and gis	Mapping and analysis of air pollution of delhi	
9		PCE20CE300	Sushank kumar (bc)			
10		PCE20CE043	Suresh jat			
11	G4	PCE21CE804	Mohit kumar	Soil stablization	Soil permeability analysis and identifying stablization technique as a solution	Mr Prateek Sharma
12		PCE20CE041	Shubham meena			
13		PCE20CE048	Vikas khatri			
14	G5	PCE20CE045	Toufeeque sheikh	Waste utilization in concrete	Partial replacement cement with fly ash, lime and ggbs in making of concrete bricks	Mr. Ayush Meena
15		PCE20CE049	Vikas dhukiya			
16	G6	PCE20CE036	Sachindra singh ola	Coconut (coir) fibers and admixtures in concrete	Enhancing concrete properties with the use of coconut(coir) fibers and admixtures	
17		PCE20CE021	Kunal matted			
18		PCE20CE054	Pooja meena			
19	G7	PCE20CE010	Bhupendra kumar	Development of cost effective water filter	Development of cost effective water filter	
20		PCE20CE015	Jaswant singh			
21		PCE20CE016	Jatin meena			
22	G8	PCE20CE044	Tannu yadav	Waste utilization in concrete	An experimental investigation to substitute saw dust and metakaolin in concrete with fine aggregate and cement & its impact on properties of concrete.	Mr. Balwan
23		PCE21CE800	Vijendra kumawat			
24		PCE20CE047	Vinod jat			
25	G9	PCE21CE801	Anurag .	Seismic analysis	Seismic analysis of different shapes of buildings on plain	

26		PCE21CE803	Gaurav kumar meena	using software	terrain and slope terrain	
27	G10	PCE20CE004	Abhishek saini	Traffic study	Travel time and congestion analysis after the no signal implementation at laxmi mandir tiraha.	Dr .Pran N. Dadhich
28		PCE20CE053	Harshit kumar taiter			
29		PCE20CE011	Chirakshi agarwal			
30	G11	PCE20CE003	Abhishek bhukar	Gis-rs and surveying	GPS based survey of urban encroachment with special emphasis in ecologically sensitive areas of jaipur city	
31		PCE20CE005	Ajay kumar			
32		PCE20CE009	Ashok kumar			
33	G12	PCE20CE039	Shreyansh harsana	Stated preference analysis of on-demand mobility commuting services of jaipur city	Stated preference analysis of on-demand mobility commuting services of jaipur city	
34		PCE20CE706	Sukesh dhar			
35		PCE20CE059	Vaibhav jalandhara			
36	G13	PCE20CE035	Sachin kumar meena	Concrete block replacing aggregate with plastic waste material	Concrete block replacing aggregate with plastic waste material	
37			Akshat saran*			
38		PCE20CE029	Nitin kumar banshiwal*			
39	G14	PCE20CE056	Bhumi	Waste utilization in mortar	Replacement of foundry slag over fine aggregate in mortar construction.	Mr. Rituraj Rathore
40		PCE20CE052	Harshit sharma			
41		PCE20CE013	Hemant saini			
42	G15	PCE20CE707	Nikhel sharma	Utilisation of red muds in pavements and as building material	A experimental study on the utilisation of red muds in pavements and as building material	
43		PCE20CE027	Nishant meena			
44		PCE20CE058	Mahesh nagar			
45	G16	PCE20CE019	Komal kumari	Soils stabilization using industrial wastes	Stabilization of soft soils using industrial wastes	Dr. Vishal Singhal
46		PCE20CE020	Kriyanshu meena			
47		PCE20CE038	Shivansh naraniya			
48		PCE20CE026	Saloni tabiyar			
49	G17	PCE20CE001	Aaditya jangir	Self compacting		

50		PCE20CE002	Abhinav sharma	concrete utilizing industrial waste	Self compacting concrete utilizing industrial waste	
51		PCE20CE007	Arvind khatik			
52		PCE20CE008	Aryan diwala	Wind and seismic analysis using software	Dynamics study of g+25 buildings with different footing and soil conditions with wind and seismic load	
53	G18	PCE20CE014	Himanshu sharma			
54		PCE20CE017	Jeetkesh meena			
55		PCE20CE018	Kamalkant bairwa	Seismic analysis using software	Dynamic study of g+20 irregular building for non-orthogonal load combination under seismic loading	Mr. Sonu Kumar
56	G19	PCE20CE022	Lekhraj meena			
57		PCE20CE012	Harish kumar chauhan			

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Shubham garg , Sindhu kumara, Virendra soni, Vishal karol** registration no. **PCE20CE040, PCE20CE042, PCE20CE050, PCE20CE051** of the Civil Engineering Department, has submitted this project report entitled Mapping of spatial variation in groundwater quality of sitapura under the supervision of Dr.Santanu Mallik, working as a Associate professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.

**Dr. Pran N Dadhich**

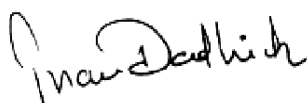
Head,
Dept. of Civil Engineering

**Dr. Santanu Mallik**

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Kiran gaud, Prateek sharma, Sakshi sharma,** registration no. **PCE20CE023, PCE20CE031, PCE20CE025,** of the Civil Engineering Department, has submitted this project report entitled Study on impact of climate change on lst: a remote sensing based time series analysis under the supervision of Dr.Santanu Mallik, working as a Associate professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering

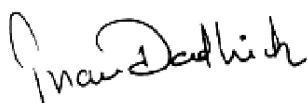


Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Shyam sundar meena, Sushank kumar, Suresh jat,** registration no. **PCE20CE057, PCE20CE300, PCE20CE043,** of the Civil Engineering Department, has submitted this project report entitled Mapping and analysis of air pollution of Delhi under the supervision of Dr.Santanu Mallik, working as a Associate professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.

**Dr. Pran N Dadhich**

Head,
Dept. of Civil Engineering

**Dr. Santanu Mallik**

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Mohit kumar, Shubham meena, Vikas khatri** registration no. **PCE20CE804, PCE20CE041, PCE20CE048,** of the Civil Engineering Department, has submitted this project report entitled Soil permeability analysis and identifying stablization technique as a solution under the supervision of Mr. Prateek Sharma, working as an Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering



Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Toufeeq sheikh, Vikas dhukiya, Vikas khatri** registration no. **PCE20CE045, PCE20CE049**, of the Civil Engineering Department, has submitted this project report entitled Partial replacement cement with fly ash, lime and ggbs in making of concrete bricks under the supervision of Mr. Ayush Meena, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering

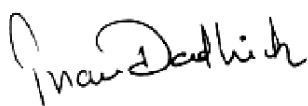


Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Sachindra singh ola, Kunal matted, Pooja Meena** registration no. **PCE20CE036, PCE20CE021, PCE20CE054,** of the Civil Engineering Department, has submitted this project report entitled Enhancing concrete properties with the use of coconut(coir) fibers and admixtures under the supervision of Mr. Ayush Meena, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering



Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Bhupendra kumar, Jaswant singh, Jatin meena** registration no. **PCE20CE010, PCE20CE015, PCE20CE016,** of the Civil Engineering Department, has submitted this project report entitled Development of cost effective water filter under the supervision of Mr. Ayush Meena, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur

**Dr. Pran N Dadhich**

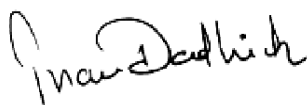
Head,
Dept. of Civil Engineering

**Dr. Santanu Mallik**

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Tannu vadav, Vijendra kumawat, Vinod jat** registration no. **PCE20CE044, PCE20CE800, PCE20CE047,** of the Civil Engineering Department, has submitted this project report entitled An experimental investigation to substitute saw dust and metakaolin in concrete with fine aggregate and cement & its impact on properties of concrete under the supervision of Mr. Balwan, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering



Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Anurag, Gaurav kumar Meena** registration no. **PCE20CE801, PCE20CE803**, of the Civil Engineering Department, has submitted this project report entitled Seismic analysis of different shapes of buildings on plain terrain and slope terrain under the supervision of Mr. Balwan, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

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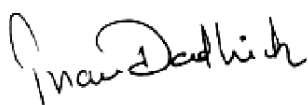


Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Abhishek saini, Harshit kumar taiter, Chirakshi agarwal** registration no. **PCE20CE004, PCE20CE053, PCE20CE011, PCE20CE051** of the Civil Engineering Department, has submitted this project report entitled Travel time and congestion analysis after the no signal implementation at Laxmi mandir tiraha under the supervision of Dr. Pran N. Dadhich, working as a Professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering



Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Abhishek bhukar, Ajay kumar, Ashok kumar** registration no. **PCE20CE003, PCE20CE005, PCE20CE009,** of the Civil Engineering Department, has submitted this project report entitled GPS based survey of urban encroachment with special emphasis in ecologically sensitive areas of jaipur city under the supervision of Dr. Pran N. Dadhich, working as a Professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering




Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Shreyansh Harsana, Sukesh Dhar, Vaibhav jalandhara** registration no. **PCE20CE039, PCE20CE706, PCE20CE059**, of the Civil Engineering Department, has submitted this project report entitled Stated preference analysis of on-demand mobility commuting services of jaipur city under the supervision of Dr. Pran N. Dadhich, working as a Professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.

**Dr. Pran N Dadhich**

Head,
Dept. of Civil Engineering

**Dr. Santanu Mallik**

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Sachin kumar Meena, Nitin kumar banshiwal** registration no. **PCE20CE035, PCE20CE029**, of the Civil Engineering Department, has submitted this project report entitled Concrete block replacing aggregate with plastic waste material under the supervision of Dr. Pran N. Dadhich, working as a Professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering



Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Bhumi, Harshit sharma, Hemant saini** registration no. **PCE20CE056, PCE20CE052, PCE20CE013,** of the Civil Engineering Department, has submitted this project report entitled Replacement of foundry slag over fine aggregate in mortar construction. under the supervision of Mr. Rituraj Rathore, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering

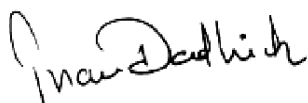


Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. Nikhel Sharma, Nishant meena, Mahesh nagar registration no. PCE20CE707, PCE20CE027, PCE20CE058, of the Civil Engineering Department, has submitted this project report entitled A experimental study on the utilisation of red muds in pavements and as building material under the supervision of Mr. Rituraj Rathore, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.

**Dr. Pran N Dadhich**

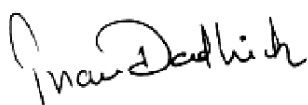
Head,
Dept. of Civil Engineering

**Dr. Santanu Mallik**

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Komal kumari, Kriyanshu meena, Shivansh naraniya, Saloni tabiyar** registration no. **PCE20CE019, PCE20CE020, PCE20CE038, PCE20CE025** of the Civil Engineering Department, has submitted this project report entitled Stabilization of soft soils using industrial wastes under the supervision of Dr. Vishal Singhal, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.

**Dr. Pran N Dadhich**

Head,
Dept. of Civil Engineering

**Dr. Santanu Mallik**

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. Aaditya jangir, Abhinav sharma, Arvind khatik registration no. PCE20CE001, PCE20CE002, PCE20CE007, of the Civil Engineering Department, has submitted this project report entitled Self compacting concrete utilizing industrial waste under the supervision of Dr. Vishal Singhal, working as a Assistant professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.

**Dr. Pran N Dadhich**

Head,
Dept. of Civil Engineering

**Dr. Santanu Mallik**

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. Aryan diwala, Himanshu sharma, Jeetkesh meena registration no. PCE20CE008, PCE20CE014, PCE20CE017, of the Civil Engineering Department, has submitted this project report entitled Dynamics study of g+25 buildings with different footing and soil conditions with wind and seismic load under the supervision of Mr. Sonu Kumar, working as a Assistant Professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering



Dr. Santanu Mallik

Coordinator-Project

Department Certificate

This is to certify that Mr. / Ms. / Mrs. **Kamalkant bairwa, Lekhraj meena, Harish kumar chauhan** registration no. **PCE20CE018, PCE20CE022, PCE20CE012,** of the Civil Engineering Department, has submitted this project report entitled Dynamic study of g+20 irregular building for non-orthogonal load combination under seismic loading under the supervision of Mr. Sonu Kumar, working as a Assistant Professor in department of Civil as per the requirements of the Bachelor of Technology program of Poornima College of Engineering, Jaipur.



Dr. Pran N Dadhich

Head,
Dept. of Civil Engineering



Dr. Santanu Mallik

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