



**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 Bundele**  
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      | Toufeeq sheikh      | Waste utilization in concrete                    | Partial replacement cement with fly ash, lime and ggbs in making of concrete bricks  |                    |
| 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   | Mr. Ayush Meena    |
| 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.              |                     |
| 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                          | Dr .Pran N. Dadhich |
| 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 | G18 | 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 | Mr. Sonu Kumar |
| 53 |     | PCE20CE014 | Himanshu sharma      |  |  |                |
| 54 |     | PCE20CE017 | Jeetkesh meena       |  |  |                |
| 55 | G19 | PCE20CE018 | Kamalkant bairwa     | Seismic analysis using software          | Dynamic study of g+20 irregular building for non-orthogonal load combination under seismic loading     |                |
| 56 |     | 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.



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## 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.



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## **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.



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## **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.



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### **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



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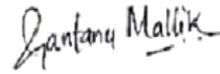
## Department Certificate

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



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## **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.



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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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## **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.



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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.



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## **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.



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Dept. of Civil Engineering



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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**

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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.



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### **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.



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Head,  
Dept. of Civil Engineering



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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.



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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.



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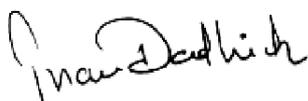


**Dr. Santanu Mallik**

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.



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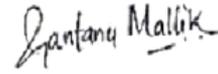
## **Department Certificate**

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.



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