



# POORNIMA

## COLLEGE OF ENGINEERING

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



## DEPARTMENT OF CIVIL ENGINEERING

FDP

On

‘Sustainable Cities and Infrastructure’

Session\_2019-20

**A**  
**Post Detail Report of**  
**TEQIP-III RTU (ATU) SPONSORED**  
**Three Days FDP**  
**On**  
**“Sustainable Cities and Infrastructure”**

**September 13-15, 2020**

**Coordinated by**  
**Dr. Harshwardhan Singh Chouhan**

**Organized by**



**Department of Civil Engineering**

**Poornima College of Engineering**

**Jaipur, Rajasthan- (India)**

**&**

**Rajasthan Technical University, Kota**

  
**Dr. Mahesh Bunde**  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
ISI-0, FIICO Institutional Area  
Shalpur, JAIPUR

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# 1. FDP BROCHURE

### PCE ORGANIZING COMMITTEE

Mr. Balwan Seshma Assistant Professor & HOD, PCE  
 Mr. Divya Vishnoi Assistant Professor, PCE  
 Mr. Dinesh Sharma Assistant Professor, PCE  
 Dr. Shilpi Jain Associate Professor, PCE  
 Ms. Supriya Bansal Assistant Professor, PCE  
 Mr. Lokesh Kumar Prajapat Assistant Professor, PCE  
 Mr. Rahul Khadwal Assistant Professor, PCE  
 Mr. Arpit Singh Bhadoriya Assistant Professor, PCE  
 Mr. Rituraj Singh Rathore Assistant Professor, PCE  
 Mr. Jitendra Kumar Assistant Professor, PCE  
 Mr. Vishal Chourasia Assistant Professor, PCE

### RESOURCE PERSONS

The resource person for the FDP will be eminent professors and experts in the area of Sustainable Cities and Infrastructure from IITs, NITs and other esteemed institutions.

### ELIGIBILITY

This course is open to all the Faculty Members of AICTE Approved Institutions, Research Scholars, and Persons working in R&D organizations or Industry. Number of participants for FDP is limited. All the sessions will be conducted online only.

### IMPORTANT DATES

Last date of recipient of application September 10, 2020  
 Intimation of selection by mail September 11, 2020  
 FDP duration September 13-15, 2020



### REGISTRATION AND FEE PARTICULARS

- There is no registration fee for faculty from AICTE approved Institutions, Participants from Industry, and Research Scholars.
- Registration for the program may be done by filling the Registration Form online. Reg. Link: <https://tinyurl.com/y5u28v9b>



### CORRESPONDENCE

**Mr. Munish Bindal**  
 Event Coordinator (RTU)  
 ✉: mbindal@rtu.ac.in • ☎: +91-9839117229

**Dr. Harshwardhan Singh Chouhan**  
 Event Coordinator (PCE)  
 ✉: harshwardhan.singh@poornima.org  
 ☎: 9461170745, 8696045679

**Mr. Ankit Singh Beniwal**  
 Event Coordinator (PCE)  
 ✉: ankit.beniwal@poornima.org • ☎: +91-9113504157

**Venue**  
 Department of Civil Engineering  
 Poornima College of Engineering  
 ISI-6, RIICO Institutional Area, Sitapura, Jaipur, Rajasthan 302022  
[www.pce.poornima.org](http://www.pce.poornima.org)



### TEQIP-III SPONSORED

## Faculty Development Program on "Sustainable Cities and Infrastructure"

**September 13-15, 2020**



**Organized by**  
 Rajasthan Technical University, Kota &  
 Department of Civil Engineering  
**POORNIMA**  
 COLLEGE OF ENGINEERING  
Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA

### ABOUT TEQIP-III

The Project, third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Tenth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

### RAJASTHAN TECHNICAL UNIVERSITY

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan. It was established in 2009 by the Government of Rajasthan. The University currently affiliates about 129 Engineering Colleges, 4 B.Arch., 41 MCA Colleges, 95 MBA Colleges, 44 M.Tech. Colleges and 3 Hotel Management and Catering Institutes. The University aims to provide quality technical education which may help Rajasthan in its technical development and will boost technical environment in the country.

### POORNIMA COLLEGE OF ENGINEERING

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 feet
- 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



### DEPARTMENT OF CIVIL ENGINEERING

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 tests since its inception.

### ABOUT FACULTY DEVELOPMENT PROGRAM

A three days Faculty Development Programme shall be organized for faculty members from different Engineering colleges across India from 13th – 15th September, 2020. Experts across the country shall deliver the lectures on various alternative building materials and their applications in sustainable cities and infrastructure. These members have been contributing significantly to the improvement of the quality of engineering education. The main focus of the FDP will be on providing comprehensive knowledge about new engineering material over conventional materials and their role in sustainable infrastructure development. This shall be improving the awareness of continuous exhausted building materials to people from academics as well as industry.

### OBJECTIVES OF THE FDP

- To make the faculty learn about new civil engineering material in sustainable construction practices.
- To train them to start materials characterization and deep analysis for their practical performance.
- To motivate and develop confidence on use of new construction material over conventional material.

### COURSE MODULES

- Introduction to Sustainable Cities and Infrastructure
- Waste Utilization as a Construction Material
- Role of Building Products in sustainability
- Green Buildings and their design
- Requirement of Sustainability Assessment

### FDP COMMITTEE

#### CHIEF PATRON

**Prof. (Dr.) R. A. Gupta**  
 Hon'ble Vice-Chancellor, RTU Kota

#### PATRON

**Dr. S. M. Seth**  
 Chairman (Emeritus) Poornima Group

**Ac. Shashikant Singhi**  
 Chairman, Poornima Group

#### ADVISORS

**Mr. M. K. M. Shah**  
 Director General, Poornima Group

**Mr. Hari Singh Shekhawat**  
 Director, (Infrastructure), Poornima Group

**Ac. Rahul Singhi**  
 Director, Poornima Group

**Dr. Mahesh M. Bundeale**  
 Principal & Director, Poornima College of Engineering

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

#### RTU (ATU) TEQIP-III COORDINATOR

**Prof. (Dr.) Dharendra Mather**

#### RTU EVENT COORDINATOR

**Mr. Munish Bindal (RTU, Kota)**

#### RTU (ATU) TEQIP-III COMMITTEE

**Dr. Harish Sharma** Nodal officer  
**Prof. D. K. Sambariya** Nodal Officer (Procurement)  
**Dr. S. D. Purohit** Nodal Officer Finance

#### HOST INSTITUTE COORDINATORS

**Dr. Harshwardhan Singh Chouhan** Associate Professor  
**Mr. Ankit Singh Beniwal** Assistant Professor

  
**Dr. Mahesh Bundeale**  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 ISI-6, RIICO Institutional Area  
 Sitapura, JAIPUR



## 2. PROGRAMME OUTLINE



**RAJASTHAN TECHNICAL UNIVERSITY, KOTA**  
**(Poornima College of Engineering, Jaipur)**  
**TEQIP-III RTU (ATU) SPONSORED**  
**Three Days TEQIP-III Sponsored Online Faculty Development Programme**  
**On**  
**“Sustainable Cities and Infrastructure”**  
**(September 13-15, 2020)**



**SCHEDULE OF ONLINE FDP**

<b>DAY-1 ( Sunday, September 13, 2020)</b>	
<b>09:30 AM - 10:30 AM</b>	<b>Inauguration Function of FDP</b> <b>Prof. R. A. Gupta</b> , Hon'ble Vice Chancellor, RTU Kota (Chief Guest) <b>Prof. Dhirendra Mathur</b> , <b>TEQIP Coordinator</b> , RTU Kota (Guest of honour) <b>Dr. Mahesh M. Bunde</b> , Director & Principal, Poornima College of Engineering <b>Mr. Munish Bindal</b> , RTU Event Coordinator <b>Dr. Harshwardhan Singh Chouhan</b> , FDP Coordinator, Department of Civil Engineering
<b>10:30 AM - 12:00 PM</b>	<b>Session-I</b> <b>Topic:</b> Introduction to Sustainability Cities and Infrastructure <b>Resource Person:</b> Mr. Rajendra Kumar Verma, Indian Representative, ITDP, India
<b>12:00 PM – 1:00 PM</b>	Additional Course Material Reading
<b>1:00 PM – 1:30 PM</b>	Lunch Break

<b>1:30- 3:00 PM</b>	<b>Session-II</b> <b>Topic:</b> Role of Building Products in sustainability <b>Resource Person:</b> Dr. Baswaraju Manu, NIT Suratkal
<b>3:00 PM – 4:00 PM</b>	Additional Course Material Reading

<b>DAY-2 ( Monday, September 14, 2020)</b>	
<b>10:30 - 12:00 PM</b>	<b>Session-III</b> <b>Topic:</b> Green Buildings and their design <b>Resource Person:</b> Dr. Rajshree H. Charan, MSU Baroda
<b>12:00 PM – 1:00 PM</b>	Additional Course Material Reading
<b>1:00 PM – 1:30 PM</b>	Lunch Break
<b>4:00 PM- 5:00 PM</b>	<b>Session-IV</b> <b>Topic:</b> Requirement of Sustainability Assessment <b>Resource Person:</b> Prof. (Dr.) Sandeep Chaudhary, IIT, Indore

<b>DAY-3 ( Tuesday, September 15, 2020)</b>	
<b>10:30 - 12:00 AM</b>	<b>Session-V</b> <b>Topic:</b> Waste Utilization as a Construction Material <b>Resource Person:</b> Dr. Pradeep Kumar Gautam, NIT Meghalaya
<b>12:00 - 12:30 PM</b>	<b>Valedictory Session and Vote of thanks</b>
<b>12:30 - 1:30 PM</b>	<b>Assessment Quiz</b>

Mr. Munish Bindal  
RTU Coordinator

Dr. Harshwardhan Singh Chouhan  
Host Institute Coordinator

Mr. Ankit Singh Beniwal  
Host Institute Coordinator

Dr. Mahesh Bunde  
Head of Institute

**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 ISI-0, PUICO Institutional Area  
 Stapura, JAIPUR

### 3. EXPERT DETAILS

#### **Mr. Rajendra Kumar Verma**

**India representative, Institute for Transportation & Development Policy (ITDP),**  
rajendra@itdp.org

Mr. Rajendra Kumar Verma is Transportation Planning expert and involve in advocacy & capacity building with national/state level government officials, media and civil societies. He is creating awareness about best practices in the field of Sustainable Urban Transportation and Development through organizing workshops/seminars on streets for all. He also helps cities to adopt adequate urban transportation policies in order to promote economically sustainable & socially equitable public transportation over two decades now. After completing his Masters in Economics, He participated in the 'International Course on Transportation Planning and Road Safety' organized by IIT Delhi. Before joining ITDP he worked with an NMT advocacy group which played an important role in making significant policy changes for Non-Motorised Transportation in Delhi, India.



#### **Dr. Basavaraju Manu**

**Associate Professor, Civil Engineering Department NITK, Suratkhal,** [bmanu@nitk.ac.in](mailto:bmanu@nitk.ac.in)

Presently Dr. Basavaraju Manu is working as an Assistant Professor in Civil Engineering Department at National Institute of Technology, Karnataka Suratkhal. Dr. Basavaraju Manu is currently working as Associate Professor in Department of Civil Engineering, NITK, Surathkal. He holds a B.E. degree in Civil Engineering from Mysore University and obtained both M.Tech and Ph.D. in Environmental Science and Engineering from IIT Bombay. His teaching and research interests are in Environmental Engineering viz. drinking water treatment to make it potable, wastewater treatment using Advanced Oxidation Processes and Biological processes to render it safe for disposal and possible reuse/recycle, green synthesis of nanomaterials and its application in wastewater treatment., solid waste management. He has guided 10 research scholars towards their doctoral thesis, 5 on-going and 78 postgraduate students for their master's thesis. He has published around 75 papers in international/national journals and conference proceedings. He is involved in various testing and consultancy works including design of STPs for houses/apartments and ETPs for various industries. He has visited USA, Egypt, Spain, Dubai, Japan, Ireland, Singapore and Srilanka in pursuit of research and academic excellence. He is also member of various professional societies both at international

and national level such as IWA, IAWEES, IUCN-CEM, APCBEE, IRED, IEI, ISTE, IWWA, etc.




Dr. Nitin Singh is currently working as an Associate Professor in Department of Electrical Engineering, MNNIT Allahabad, Prayagraj, India. He is an alumnus of Motilal Nehru National Institute of Technology Allahabad, India. His primary areas of research are Power System Planning, Electricity markets, Artificial Intelligence, implementation of optimization algorithms and machine learning techniques for power system optimization. He has published more than 45 publications in International Journals and in Proceedings of International Conferences of repute. He is serving as reviewer of several Scopus, SCI and E-SCI-indexed journals. He has organized several international conferences under the banner of IEEE and Springer. He is Member of IEEE, member of IEEE Computational Intelligence Society, Power Energy Society, and Industrial Application society. He is currently serving as Secretary, IEEE Joint Chapter of Industrial Electronics/ Power Electronics /Control System at MNNIT Allahabad. Dr. Nitin Singh is currently working as an Associate Professor in Department of Electrical Engineering, MNNIT Allahabad, Prayagraj, India. He is an alumnus of Motilal Nehru National Institute of Technology Allahabad, India. His primary areas of research are Power System Planning, Electricity markets, Artificial Intelligence, implementation of optimization algorithms and machine learning techniques for power system optimization. He has published more than 45 publications in International Journals and in Proceedings of International Conferences of repute. He is serving as reviewer of several Scopus, SCI and E-SCI-indexed journals. He has organized several international conferences under the banner of IEEE and Springer. He is Member of IEEE, member of IEEE Computational Intelligence Society, Power Energy Society, and Industrial Application society. He is currently serving as Secretary, IEEE Joint Chapter of Industrial Electronics/ Power Electronics /Control System at MNNIT Allahabad

### **Dr. Rajshree H. Charan**

**Assistant Professor, MS University Vadodara, Gujarat**, rhcharan-appmech@msubaroda.ac.in

Dr. Rajshree Charan is currently working as Assistant Professor since 8 years in Applied Mechanics and Structural Engineering department, Faculty of Technology, The MS University Vadodara, Gujarat. Before being associated with MS University, she has also worked as Engineer in Jaipur Development Authority under Government of Rajasthan. She has done her

  
**Dr. Mahesh Bunde**  
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Director  
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ISI-6, FULCO Institutional Area  
Sitapura, JAIPUR

B.E. in Civil Engineering from The Govt. Engineering College, Kota. She has done her masters in Structural Engineering from MNIT Jaipur. She has also done her Ph.D. in Structural Dynamics from MNIT Jaipur. Her primary area of research was Earthquake Engineering. She has published numerous research papers. She is also a member of various technical societies and research & consultancy coordinator of her institute.



**Prof. (Dr.) Sandeep Chaudhary**

**Professor, Civil Engineering Department, IIT Indore, [schaudhary@iiti.ac.in](mailto:schaudhary@iiti.ac.in)**

Dr. Sandeep Chaudhary is currently working as Professor in the Discipline of Civil Engineering, Indian Institute of Technology Indore. Prior to joining IIT Indore, he served as a faculty member in different capacities at MNIT Jaipur for more than twenty years. His research interests are steel-concrete composite structures and sustainable materials including utilization of waste materials in concrete. He has guided 8 research scholars towards their doctoral thesis, 6 on-going and 35 postgraduate students for their master's thesis. He has published around 97 research papers in international/national journals and conference proceedings. He is involved in various testing and consultancy works including Design/Drawing of bridges and various multi-storey residential and commercial buildings. He has awarded various research fellowship/scholarship in India and Abroad. He is also member of various professional societies both at international and national level such as, ICI, ISTE, ACF, etc.



**Dr. Pradeep Kumar Gautam**

**Assistant Professor, National Institute of Technology Meghalaya, [pradeepkrgautam@nitm.ac.in](mailto:pradeepkrgautam@nitm.ac.in)**

Dr. Pradeep Kumar Gautam is currently working as an Assistant professor in the Civil Engineering Department at NIT Meghalaya. He has done his masters and Ph.D. in from MNIT

  
**Dr. Mahesh Bunde**  
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Director  
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Jaipur. His major research area is sustainable use of locally available waste as construction and building materials. He has published numerous research papers in the same area. He is also a member of Internal Quality Assessment Committee of his institute.



  
**Dr. Mahesh Bundele**  
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Director  
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Sitapura, JAIPUR

## 4. SCREENSHOTS OF ONLINE SESSION

Date 13 September 2020

### Inaugural Session

Zoom Meeting

Poornima Group TV is live now

Mr. Dinesh Shah...

**Welcome**

- Prof. R. A. Gupta  
Hon'ble Vice Chancellor, RTU Kota
- Prof. Dharendra Mathur,  
TEQIP Coordinator, RTU Kota
- Dr. Mahesh M. Bundeale,  
Director & Principal, Poornima College of Engg.
- Mr Munish Bindal,  
Event Coordinator, RTU, Kota
- Dr. Harshwardhan Singh Chouhan,  
Event Coordinator, Poornima College of Engg.



zoom

Zoom Meeting

**Welcome Address**



**Prof. (Dr.) Mahesh M. Bundeale**  
Director & Principal,  
Poornima College of Engineering



zoom

Zoom Meeting

**About the FDP**



**Mr. Munish Bindal**  
FDP Coordinator  
Rajasthan Technical University, Kota



zoom

  
**Dr. Mahesh Bundeale**  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
ISI-0, FIICO Institutional Area  
Shalpur, JAIPUR


**Vote of Thanks**




**Dr. Harshwardhan Singh Chouhan**  
FDP Coordinator  
Poornima College of Engineering

Dr. Harshwar...

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Media output

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Mr. Dinesh Sharma, Anchor, FDP

## Session 1

TEQIP-III SPONSORED ONLINE FACULTY DEVELOPMENT  
PROGRAM ON  
"SUSTAINABLE CITIES AND INFRASTRUCTURE"

Introduction to Sustainable Cities and Infrastructure

**Session-I**  
Sunday, Sept. 13, 2020,  
10:30 AM



Mr. Rajendra Kumar Verma  
India representative,  
Institute for Transportation  
& Development Policy (ITDP)



Rajasthan Technical University, Kota  
&  
Poornima College of Engineering, Jaipur



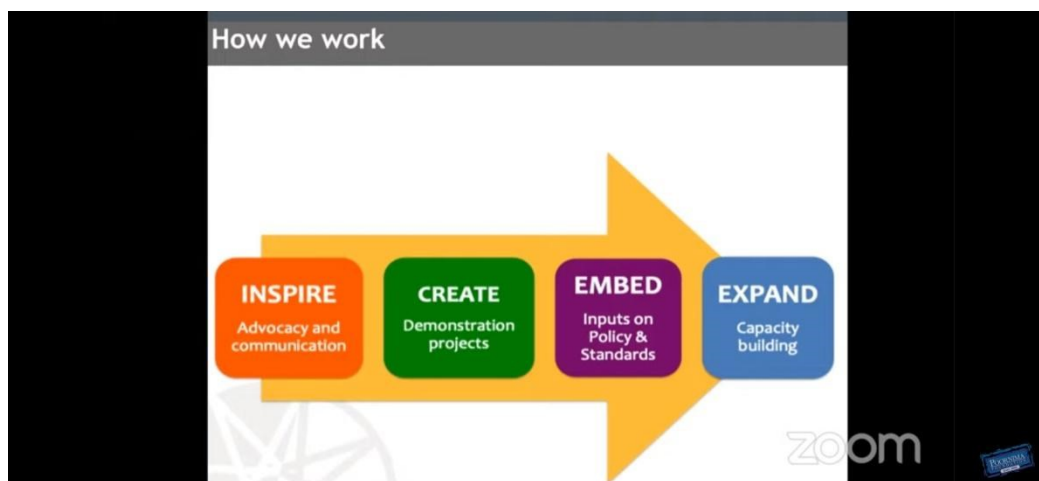

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RTU (ATU) TEQIP-III sponsored  
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**"Sustainable Cities and Infrastructure"**  
September 13-15, 2020  
Rajasthan Technical University, Kota &  
Department of Civil Engineering, Poornima College of Engineering

Introduction to Sustainable Cities  
and Infrastructure

Rajendra Verma



  
**Dr. Mahesh Bundele**  
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Director  
Poornima College of Engineering  
ISI-0, FIICO Institutional Area  
Shalpur, JAIPUR

## Session 2

TEQIP-III SPONSORED ONLINE FACULTY DEVELOPMENT  
PROGRAM ON  
"SUSTAINABLE CITIES AND INFRASTRUCTURE"

Role of Building Products in sustainability

Session-II  
Sunday, Sept. 13, 2020,  
1:30 PM

Dr. Basavaraju Manu  
Associate Professor  
Civil Engineering Department  
NITK, Surathkal

Rajasthan Technical University, Kota  
&  
Poornima College of Engineering, Jaipur

zoom

Dr. Rajshree H. Charan  
Assistant Professor, MS University, Vadodara, Gujarat

She has done her masters in Structural Engineering from MNIT Jaipur.  
She has also done her Ph.D. in Structural Dynamics from MNIT Jaipur.  
Her primary area of research was Earthquake Engineering. She has  
published numerous research papers. She is also a member of various  
technical societies and research & consultancy coordinator of her  
institute.

zoom

Role of Building Products in Sustainability

Dr. Basavaraju Manu  
Associate Professor,  
Department of Civil Engineering  
NITK, Surathkal

Click to add notes

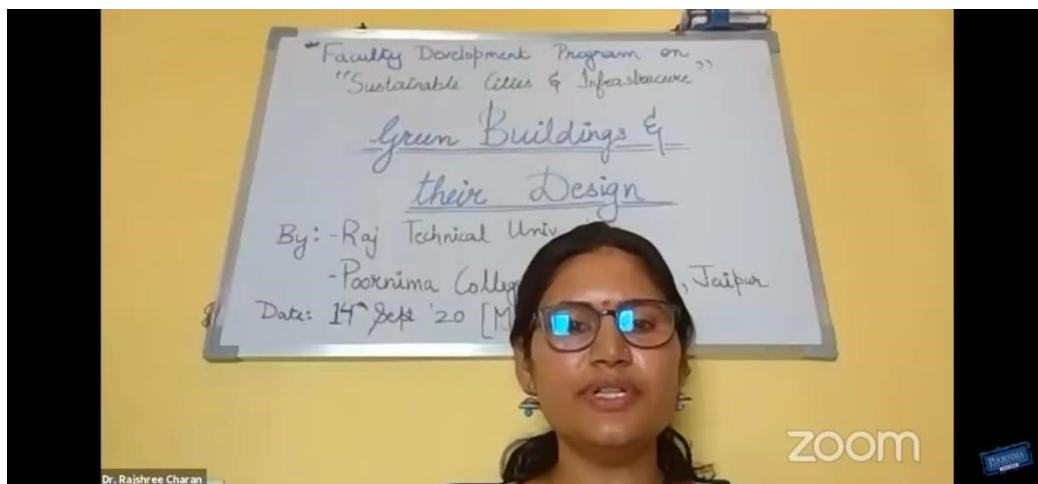
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**Dr. Mahesh Bundele**  
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Date 14 September 2020

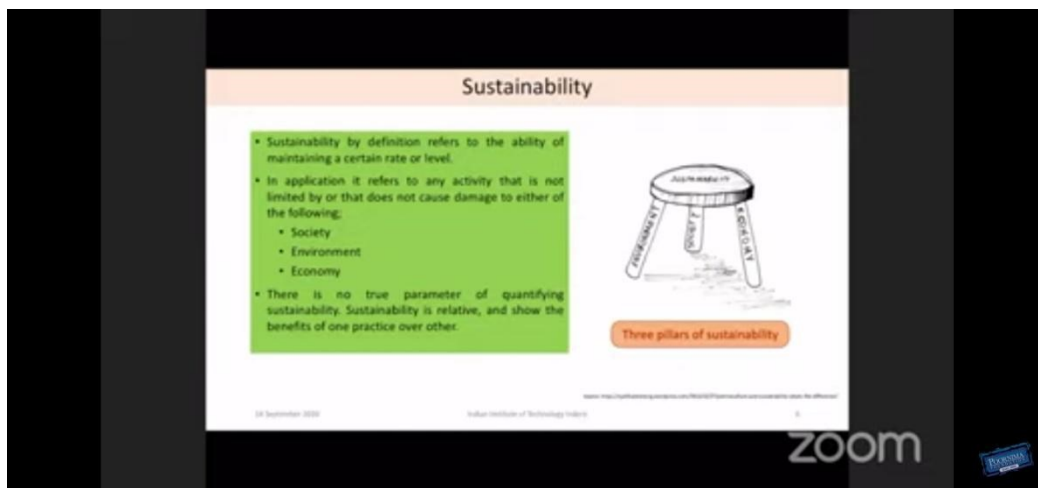
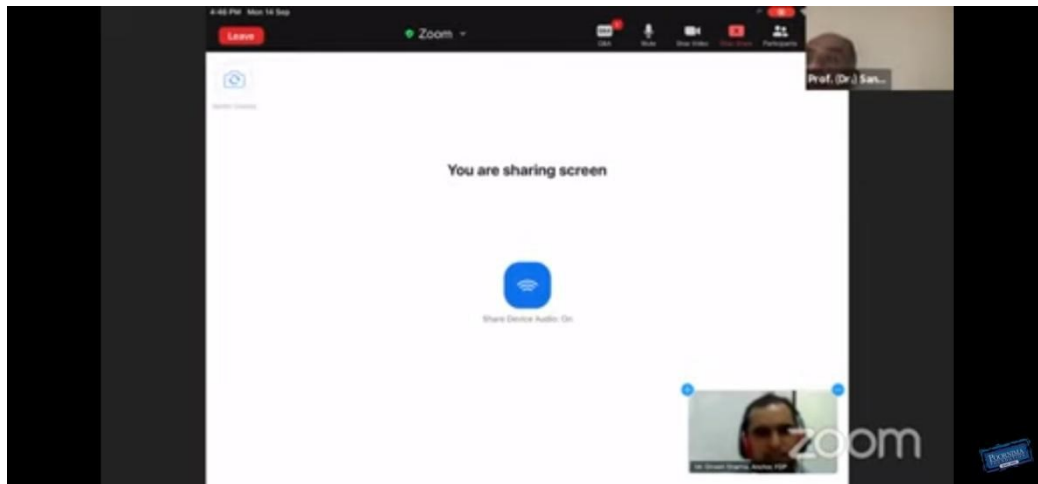
### Session 3



### Session 4



  
**Dr. Mahesh Bundele**  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
ISI-0, FIICO Institutional Area  
Shalpur, JAIPUR

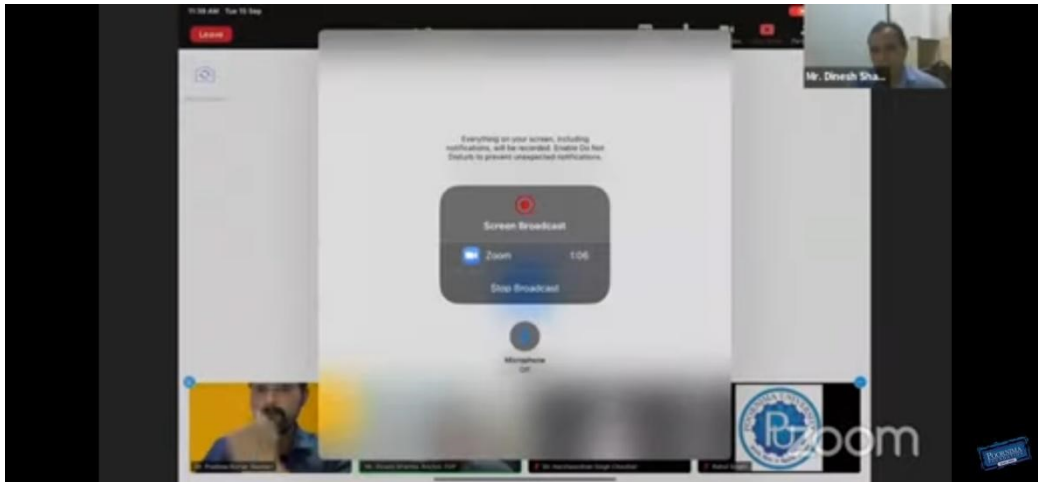


**Date 15 September 2020**

**Session 5**



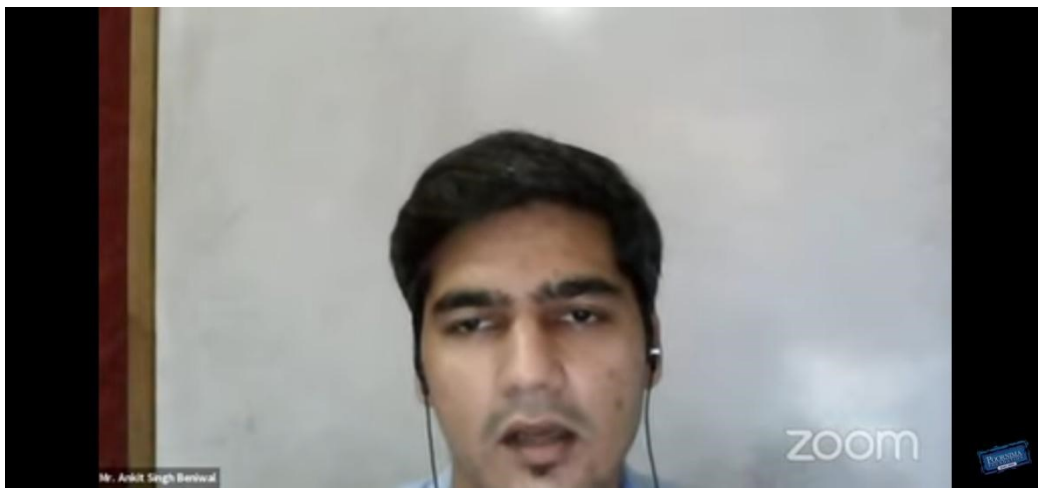
**Dr. Mahesh Bunde**  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
ISI-0, FIICO Institutional Area  
Shapura, JAIPUR



## Valediction



  
**Dr. Mahesh Bundele**  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 ISI-0, FIICO Institutional Area  
 Sheopura, JAIPUR



  
**Dr. Mahesh Bundele**  
B.E., M.E., Ph.D.  
Director  
Poonima College of Engineering  
ISI-0, FIICO Institutional Area  
Shalpur, JAIPUR

## 5. FEEDBACK FORM FORMAT

FDP Feedback form ☆

Questions Responses 100 Total points: 0

**FDP Feedback form**

Kindly provide us your valuable feedback about the course (10 is the highest grade).

Email address \*

Valid email address

This form is collecting email addresses. [Change settings](#)

Name of Participant \*

Short-answer text

Name of Organization \*

Short-answer text

FDP Feedback form ☆

Questions Responses 100 Total points: 0

**Your experience about the course \***

1 2 3 4 5 6 7 8 9 10

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

**Knowledge enhancement \***

1 2 3 4 5 6 7 8 9 10

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

**Relevancy of topics. \***

1 2 3 4 5 6 7 8 9 10

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐



FDP Feedback form ☆

Questions Responses 100 Total points: 0

About speakers \*

1	2	3	4	5	6	7	8	9	10
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General Arrangement \*

1	2	3	4	5	6	7	8	9	10
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In future you want to attend such course at this Institute (Poornima College of Engineering, Jaipur). \*

☐ YES

☐ NO

## 6. CERTIFICATE FORMATE

 **Three Days TEQIP-III Sponsored Faculty Development Programme**  
on  
**Sustainable Cities and Infrastructure**  
Jointly Organised By  
**Rajasthan Technical University, Kota &**  
**Department of Civil Engineering**  
**Poornima College of Engineering, Jaipur**



**Certificate**

Certificate id : {{certificate id}}

This is to certify that **{{full name}}** of **{{other identifier}}** has participated in the Three Days Faculty Development Programme on "Sustainable Cities and Infrastructure" held from 13/09/2020 to 15/09/2020 at "Poornima College of Engineering".

 Mr. Munish Bindal  
(Coordinator)  
RTU, Kota

 Dr. Harshwardhan Singh Chouhan  
(Coordinator)  
PCE, Jaipur

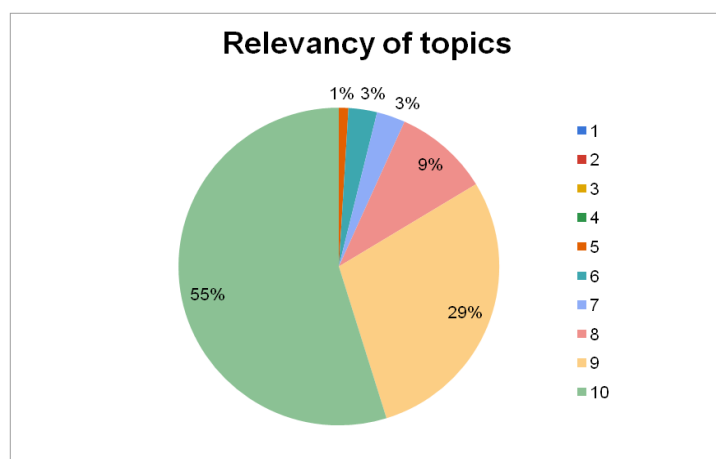
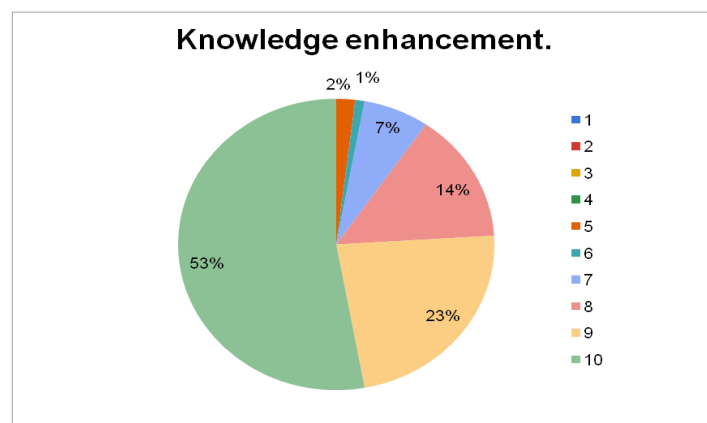
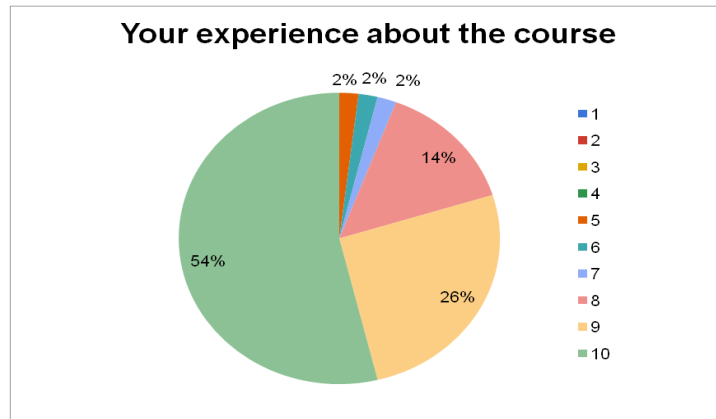
 Mr. Ankit Singh Beniwal  
(Coordinator)  
PCE, Jaipur

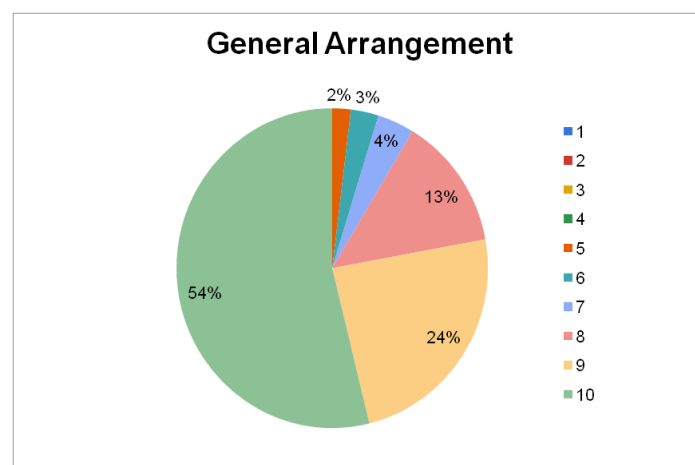
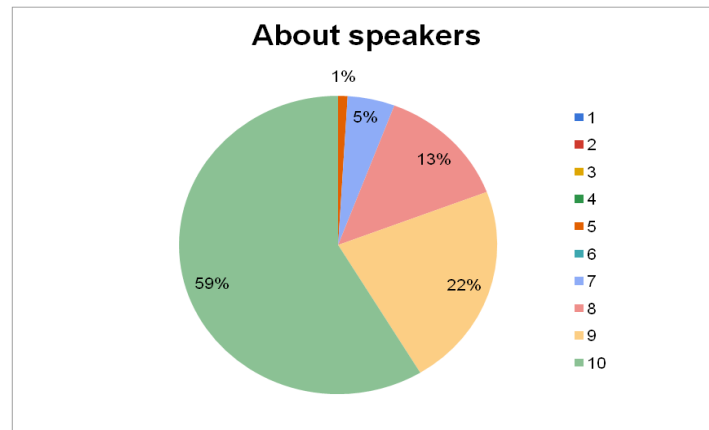
 Dr. Mahesh Bunde  
(Principal)  
PCE, Jaipur

  
**Dr. Mahesh Bunde**  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
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## 7. FEEDBACK ANALYSIS

**Note: Questions were asked on a scale of 1 to 10**





**When asked whether they would like to attend such courses in future if conducted by the institute, all participants said a Yes.**

Topic that can be covered in the next course?

- Structural Engineering
- energy efficiency
- INTRODUCTION AND APPLICATIONS OF AI IN CIVIL ENGINEERING STREAM.
- Recent advances in concrete technology
- Any Recent Topics
- Smart material
- Environmental protection plans
- Housing
- No suggestions
- Urban planning for cities

Knowledge gain by the course.

sustainability

Insights about sustainable cities infrastructure

enriched by civil innovation

Very good

In the era where mother nature is deploying continuously sustainability is the utmost priority in every feild .

Green Building concept

immense

Excellent and very informative

Awaysome can't say , everything

Overall experience of the course.

Good

32 responses

Excellent

28 responses

good

8 responses

Very Good

4 responses

GOOD

## Suggestions

No

13 responses

Nil

10 responses

Good

6 responses

NA

4 responses

Nothing

3 responses

NO

3 responses



## 8. PARTICIPANTS LIST AND CERTIFICATIONS

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