POORNIMA
COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

# A Report on 5-day Faculty Development Program (FDP) on "Digital Media Tools for Effective Teaching Learning"

- **TITLE AND DURATION:** "Digital Media Tools for Effective Teaching Learning " March 21-25, 2022
- **SPONSORS:** NITTR, Chandigarh.
- **SUPPORTERS:** NITTR, Chandigarh.
- **ORGANIZERS:** Nodal Center Poornima College of Engineering, Jaipur.

**OBJECTIVES**: Digital tools provide a way to implement text, images, audio, and video for an immersive experience. The effective use of digital learning tools in classrooms can increase student engagement, help teachers improve their lesson plans, and facilitate personalized learning. It also helps students build essential 21st-century skills. With this FDP, Faculty can be confident that they have a Digital Teaching strategy that will carry them into the future.

- **EXPECTED OUTCOMES:**

  - To improve their lesson plans, and facilitate personalized learning.
  - To demonstrate 21st-century skills opportunities good for students.
  - To exchange views, and ideas about the latest innovation in the field of Digital Media.
  - To provide knowledge of tools and a way to implement text, images, audio, and video for an immersive experience.

Dr. Mahesh Bundele
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Director
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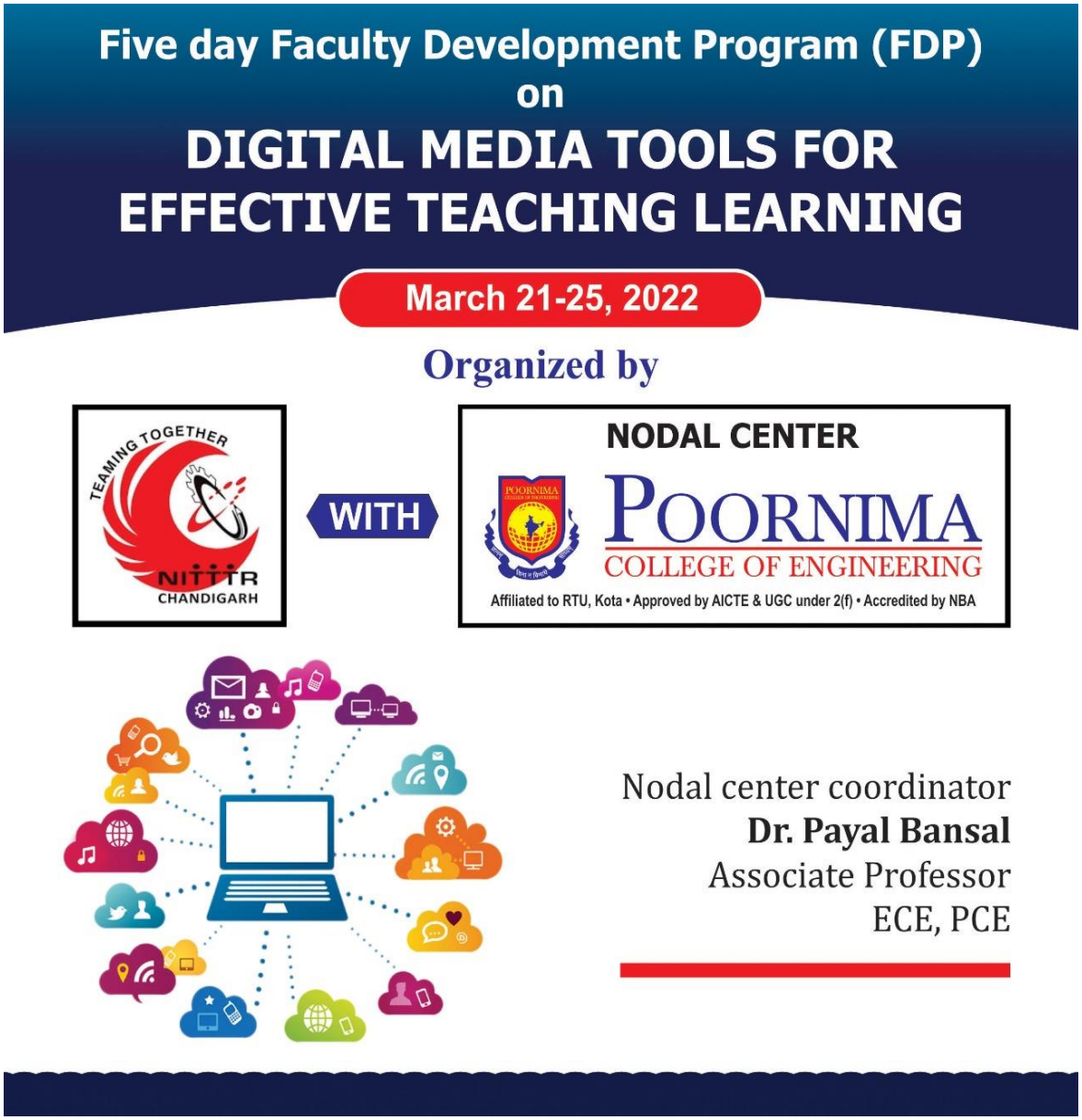
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

- **BROCHURE / POSTER / LEAFLET / FLYER:**

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- **PROGRAM SCHEDULE:**

**National Institute of Technical Teachers Training and Research, Chandigarh**
**Electronics and Communication Engineering Department**

Online STC on
**"Digital Media Tools for Effective Teaching Learning"**
(O. PLAN No. ICT-ECE-20)
w.e.f. 21-03-2022 to 25-03-2022

Venue: Online and Remote Centre at Poornima Engg. College, Jaipur

**TIME-TABLE**

| DAY | Live Session - 1<br>9:30 AM to 11:00 AM<br>(through Google meet) | Live Session - 2<br>11:30 AM to 1:00 PM<br>(through Google meet) | Session-3<br>3:30 PM - 5 PM |
|---|---|---|---|
| DAY-1<br>21-03-2022 | Content Delivery & Class Management Tool: Google Classroom<br>(GS) | Online Free Tools for Real-time Communication in Class<br>(GK) | Assignment/ Self Study<br>(BSD) |
| DAY-2<br>22-03-2022 | Multisim Live Circuit Simulator<br>(BSD) | Student Evaluation/Feedback using Hot Potatoes<br>(DKS) | Assignment/ Self Study<br>(BSD) |
| DAY-3<br>23-03-2022 | Reference Management and Report Writing using Mendeley<br>(BSD) | PCB Design Tool<br>(PB) | Assignment/ Self Study<br>(BSD) |
| DAY-4<br>24-03-2022 | TinkerCAD Simulator<br>(CP) | TinkerCAD Simulator<br>(CP) | Assignment/ Self Study<br>(BSD) |
| DAY-5<br>25-03-2022 | Managing Technologies for Effective Teaching-Learning<br>(MA) | Node MCU Simulator<br>(AG) | STC Valediction<br>(BSD) |
| **In addition to the live sessions, participants shall be provided related study material and assignments through Google classroom. Assignment submission is compulsory.** | | | |

AG: Mr. Ajay Godara, Ennovate Skills, Startup at NITTTR Chandigarh
BSD: Dr. Balwinder S. Dhaliwal, NITTTR Chandigarh
CP: Dr C. Padmaja, GNITS, Hyderabad
DKS: Mr Devendra Kumar Somwanshi, Poornima Engg. College, Jaipur
GK: Dr. Gaurav Kumar, Magma Research & Consultancy Services, Ambala
GS: Dr. Garima Saini, NITTTR Chandigarh
MA: Ms. Monika Arora, NITTTR Chandigarh
PB: Dr Payal Bansal, Poornima Engg. College, Jaipur

Course Coordinator:

(Dr. Balwinder Singh Dhaliwal)
Associate Professor, ECE Department

Head of Department

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- **DETAILS OF RESOURCE PERSONS:**

The Faculty Development Program has various experts, His/her interest area is covered Filter Design, IoT, Electronic Devices, Antenna Design, and Nano Electronics. His/her Technical Expertise Includes Filter Design, Antenna Design, etc. She has tutored numerous students and mentored many Hardware & Software Projects.

- Mr. Ajay Godra, Ennovate Skills, Startup at NITTTR Chandigarh
- Dr. Balwinder S. Dhaliwal, NITTTR, Chandigarh
- Dr. C. Padmaja, GNIT, Hyderabad
- Mr. Devendra Kumar Somwanshi, PCE, Jaipur
- Dr. Gaurav Kumar ,Magma Research & Conslutancy services,Ambala
- Dr. Garima Saini, NITTTR, Chandigarh
- Ms. Monika Arora, NITTTR, Chandigarh
- Dr. Payal Bansal, PCE, Jaipur

- **CONTENT DELIVERY / PRACTICAL SESSIONS:**

ECE department Digital Media Tools for Effective Teaching Learning FDP helps Faculties themselves to take advantage of emerging opportunities and enhance their Digital Learning. Through a series of interactive STP from 21 March to 25 March, developing a comprehensive Digital Media Teaching technology strategy and roadmap for better Digital Learning. Digital tools provide a way to implement text, images, audio, and video for an immersive experience. The effective use of digital learning tools in classrooms can increase student engagement, help teachers improve their lesson plans, and facilitate personalized learning. It also helps students build essential 21st-century skills. With this FDP, Faculty can be confident that they have a Digital Teaching strategy that will carry them into the future.

Virtual platform: Google Meet

Registration Link: https://meet.google.com/shm-cpgr-mts?hs=224

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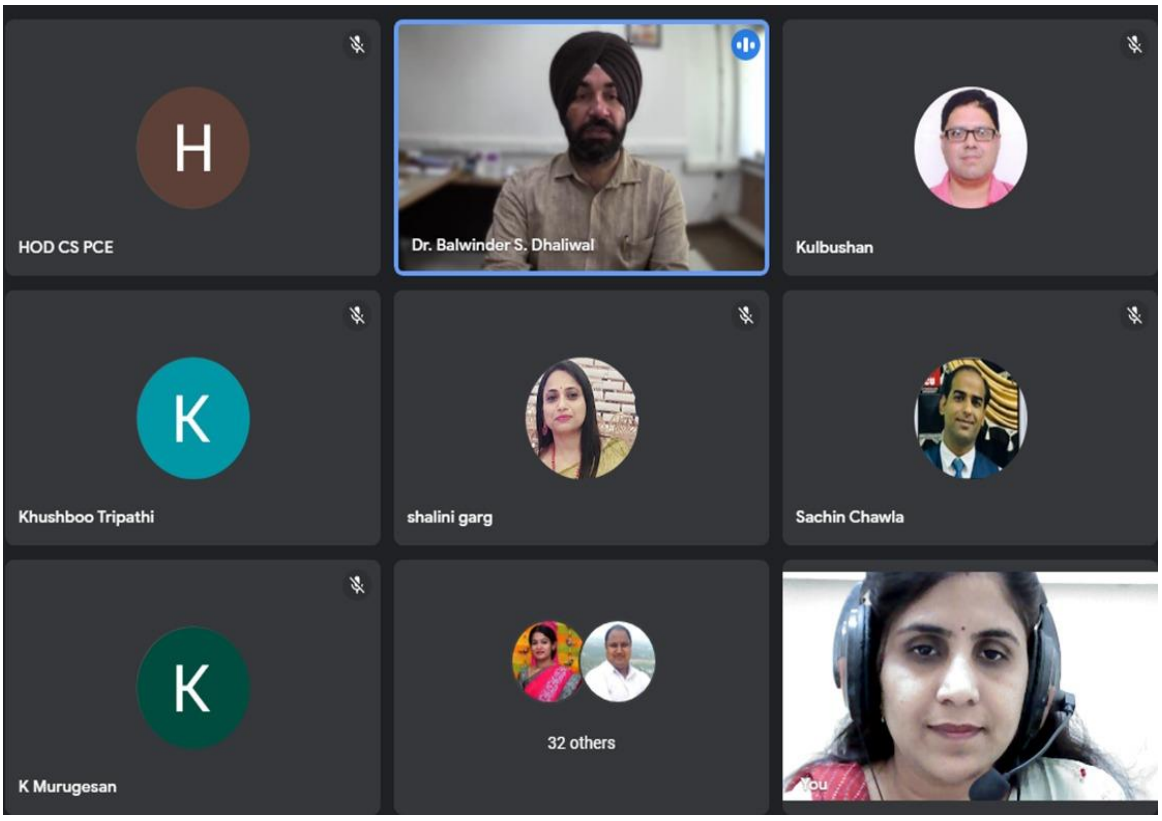
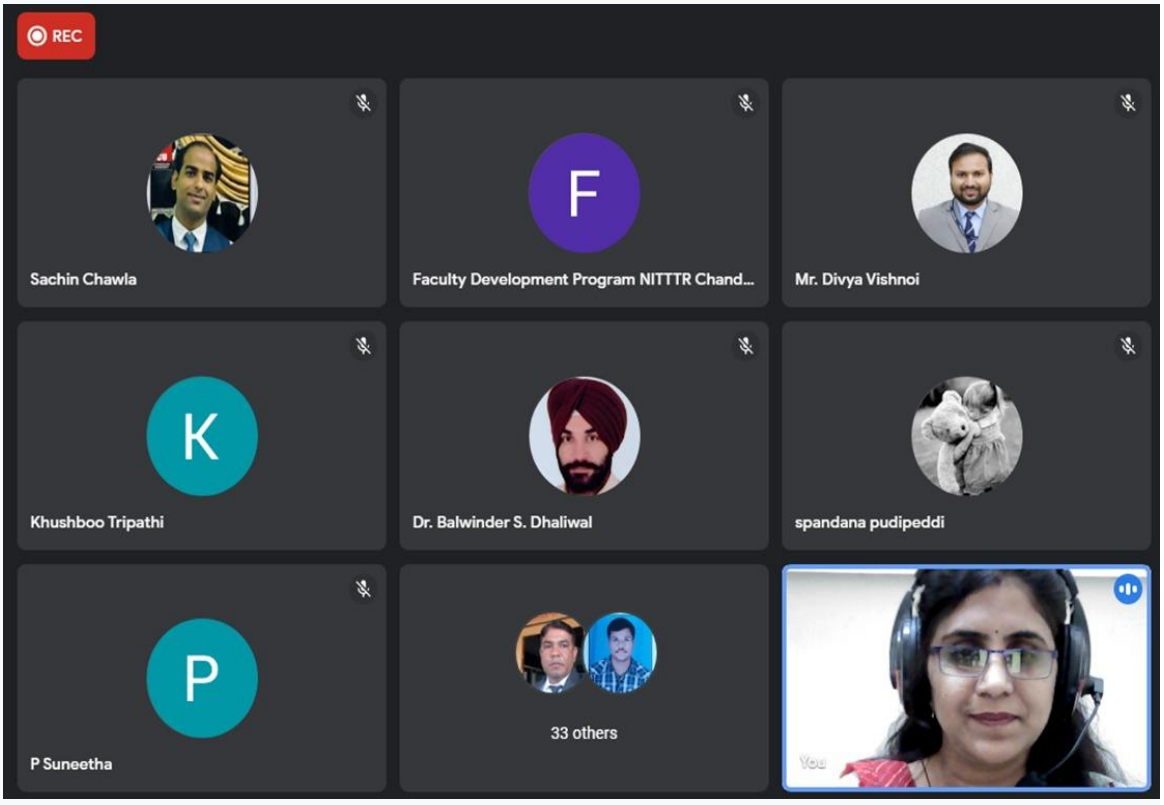
- **GLIMPSES OF CONDUCTION:**

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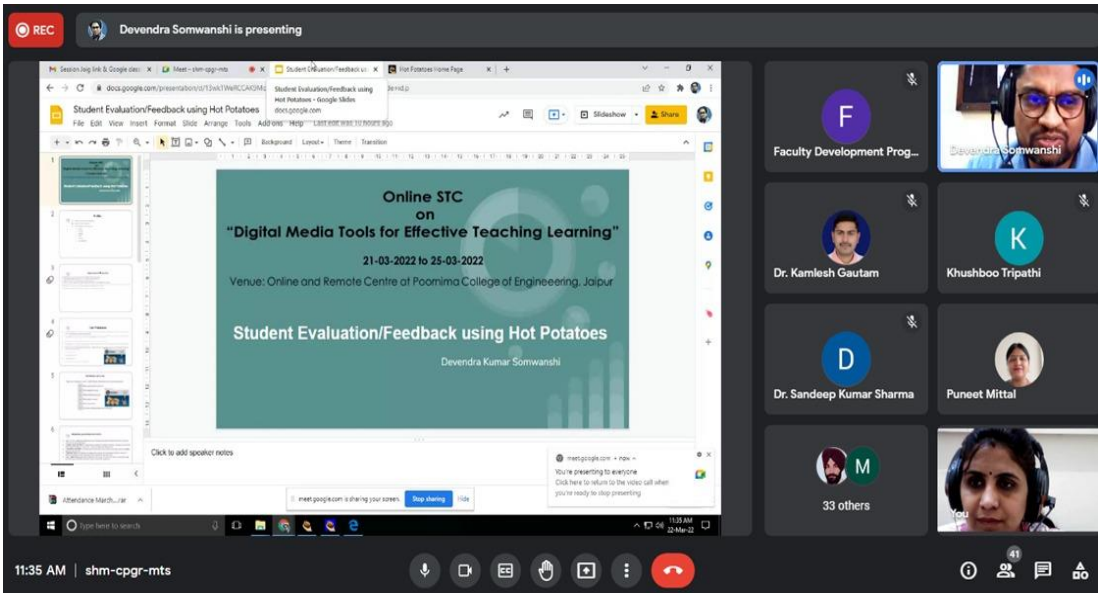


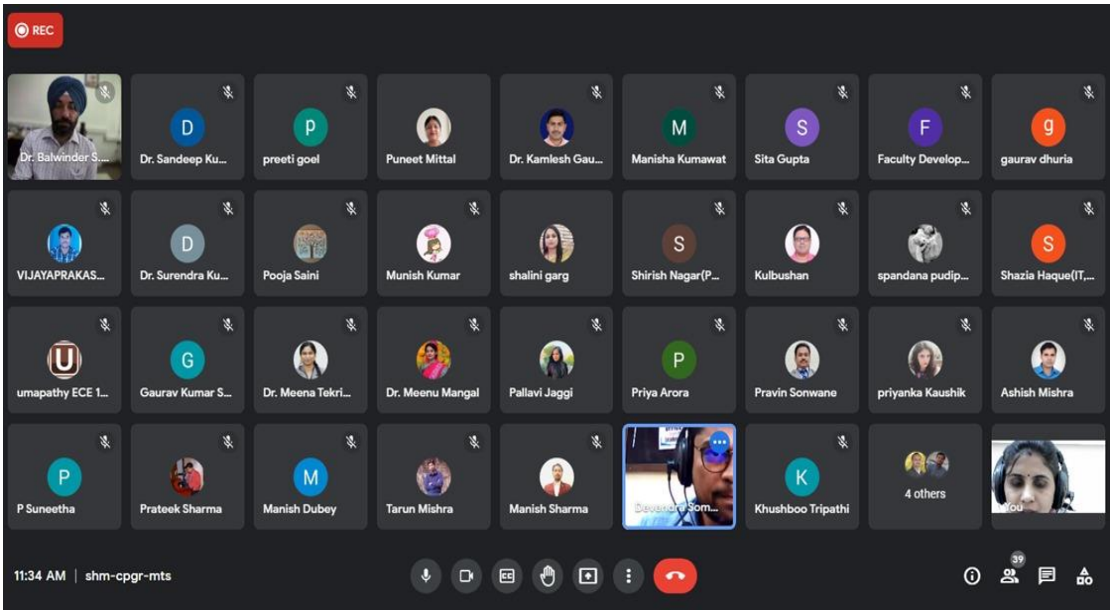


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- **VALEDICTORY SESSIONS:**

**National Institute of Technical Teachers Training and Research, Chandigarh**
**Electronics and Communication Engineering Department**
**Online STC on**
**"Digital Media Tools for Effective Teaching Learning" (O. PLAN No. ICT-ECE-20)**
**w.e.f. 21-03-2022 to 25-03-2022**
**Venue: Online and Remote Centre at Poornima Engg. College, Jaipur**

**Date: 25 March 2022** **Time: 1:00 PM to 1:30 PM** **Venue: Online Platform (Google meet)**

**Valedictory Programme Outline**

**(Link:** https://meet.google.com/shm-cpgr-mts?hs=224**)**

| SNo | Activity | Scheduled Time |
|---|---|---|
| 1. | Welcome of Dignitaries<br>• **Dr. Mahesh Bundele**, Director & Principal, PCE<br>• **Dr. Narayan Lal Jain**, Vice Principal, PCE<br>• **Dr. Rekha Nair**, Dean I[st] Year<br>• **Dr. Surendra Kumar Yadav**, HOD,CSE, PCE<br>• **Mr. Amol Saxena**, HOD, IT, PCE<br>• **Dr. Garima Mathur**, HOD, EC, PCE<br>• **Dr. Pravin Sonawane**, HOD, EE, PCE<br>• **Dr. Narayan Lal Jain**, HOD, ME, PCE<br>• **Dr. Pran Dadhich**, HOD, CIV, PCE<br>• **Mr. Shailendra Kasera**, HOD, I Year, PCE | 3:00 PM -3:03 PM |
| 2. | Welcome of **Chief Guest, Prof. R A Gupta, Vice Chancellor, Rajasthan Technical University** by **Dr. Mahesh Bundele**, Principal & Director, PCE with virtual Bouquet & Memento | 3:03 PM -3:05 PM |
| 3. | Report of the Event by Dr. PAYAL BANSAL | 3:05 PM -3:15 PM |
| 5. | Address by **Dr. Mahesh Bundele**, Director & Principal, PCE | 3:15 PM -3:20 PM |
| 6 | Event Feedback by Participants | 3:20 PM -3:25 PM |
| 7. | Introduction of **Chief Guest Prof. R A Gupta, Vice Chancellor, Rajasthan Technical University** by anchors and Address by the Chief Guest | 3:25 PM -3:35 PM |
| 8. | Announcement of Winners & Virtual Prize Distribution to Winners of the event | 3:35 PM -3:45 PM |
| 9. | Vote of Thanks by Mr. Pankaj Dhemla, Vice Principal, PCE | 3:45 PM -3:50 PM |
| 10. | Group Photograph | 3:50 PM -3:55 PM |

- **LIST OF PARTICIPANTS:**

| S. No. | Name | Designation | Department |
|---|---|---|---|
| 1 | Gaurav Jain | Assistant Professor | EE |
| 2 | Priya Arora | Associate Professor | Faculty of Planning & Architecture |
| 3 | Seeta Gupta | Assistant Professor | IT |
| 4 | Dr. Surendra Kumar Yadav | Professor | Computer Engineering |
| 5 | Jay Prakash Singh | Assistant Professor | Computer Engineering |
| 6 | Dr. Indrajit Ghosal | Assistant Professor | SCE |
| 7 | Manish Choubisa | Assistant Professor | Computer Engineering |
| 8 | Manish Sharma | Assistant Professor | ECE |
| 9 | Manish Dubey | Assistant Professor | Computer Engineering |
| 10 | Tarun Mishra | Assistant Professor | ECE |
| 11 | Manisha Kumawat | Assistant Professor | ECE |
| 12 | Durgesh Kumar | Assistant Professor | ECE |
| 13 | Rajesh Kumar | Assistant Professor | 1 Year |
| 14 | Ajit Singh | Assistant Professor | EE |
| 15 | Shirish Nagar | Assistant Professor | IT |

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| | | | |
|---|---|---|---|
| 16 | Surender Kumar Sharma | Assistant Professor | EE |
| 17 | Amarjeet Bharti | Assistant Professor | ECE |
| 18 | Debolina Ghosh | Assistant Professor | Computer Engineering |
| 19 | Mukesh Chand | Assistant Professor | English |
| 20 | Manish Bhardwaj | Assistant Professor | CE |
| 21 | Dr. Kuldip Sharma | Assistant Professor | EE |
| 22 | Dr. Pooja Gupta | Professor | Management |
| 23 | Udit Mamodiya | Assistant Professor | ME |
| 24 | Dr. Muktak Vyas | Associate Professor | EE |
| 25 | Ram Mohan | Assistant Professor | ME |
| 26 | Bhavnesh Chandra Sharma | Assistant Professor | Mathematics |
| 27 | Dr. Raj Kumar Satankar | Associate Professor | Mathematics |
| 28 | Dr. Shilpi Jain | Associate Professor | Computer Engineering |
| 29 | Priyanka | Associate Professor | Architecture + Interior Design |
| 30 | Ar. Parul Gupta | Assistant Professor | EE |
| 31 | Dr. Pravin Sonwane | Professor | Computer Engineering |
| 32 | Mohammad Rashid | Assistant Professor | Hotel Management |
| 33 | Khushboo Tripathi | Assistant Professor | CE |
| 34 | Balwan | Assistant Professor | Chemistry 1 Year |
| 35 | Meena Tekriwal | Assistant Professor | Computer Engineering |
| 36 | Dr. Sandeep Kumar Sharma | Associate Professor | Computer Engineering |
| 37 | Dr. Kamlesh Gautam | Assistant Professor | ECE |
| 38 | Dr. Anila Dhingra | Associate Professor | Computer Engineering |
| 39 | Amit Kumar Jain | Assistant Professor | ECE |
| 40 | Dr. Purushottam L. Bhari | Associate Professor | Computer Engineering |
| 41 | Lalita Kumari | Assistant Professor | School of Public Health |
| 42 | Dr. Neeraj | Assistant Professor | Computer Engineering |
| 43 | Surendra Kumar Saini | Associate Professor | ME |
| 44 | Gaurav Kumar Sharma | Assistant Professor | CS |
| 45 | Dr. Jyoti Shukla | Associate Professor | EE |
| 46 | Prateek Sharma | Assistant Professor | CE |
| 47 | Divya Vishnoi | Assistant Professor | CE |
| 48 | Shazia Haque | Assistant Professor | IT |
| 49 | Dr. Budesh Kanwer | Professor | CS |
| 50 | Amit Gupta | Assistant Professor | Computer Engineering |
| 51 | Dr. Pankaj Gakhar | Assistant Professor | EE |

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Certificate of FDP:

Certificate No: ICT/2669/21-22

**National Institute of Technical Teachers Training and Research, Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

**Certificate**

*This is to certify that*

**Dr. SHILPI JAIN**

POORNIMA COLLEGE OF ENGINEERING, JAIPUR (RAJASTHAN)

*Participated in AICTE recognized Short Term Course on*

**Digital Media Tools for Effective Teaching Learning through ICT**

*conducted by*

**Electronics and Communication Engineering Department**

*from*

***21.03.2022** to **25.03.2022** (One Week)*

*at*

**Poornima College of Engineering, Jaipur (Rajasthan)**

Coordinator

Director

- **FEEDBACK ANALYSIS:**

| | Effective use of Time | Effectiveness of Theoretical Session | Course Content Planning and Organization | Effectiveness Hands-on Sessions |
|---|---|---|---|---|
| Strongly Agree | 40 | 45 | 48 | 46 |
| Agree | 11 | 5 | 3 | 5 |
| Neutral | 0 | 1 | 0 | 3 |
| Disagree | 0 | 0 | 0 | 0 |
| Strongly Disagree | 0 | 0 | 0 | 4 |

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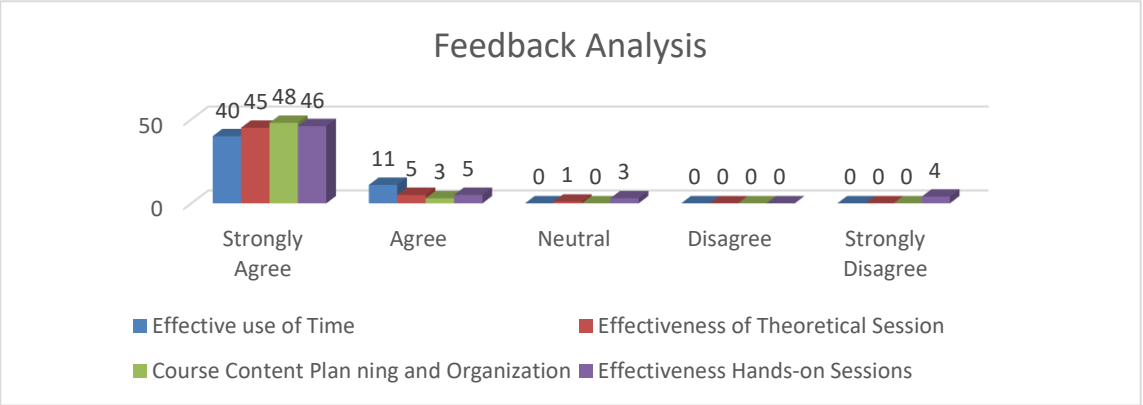
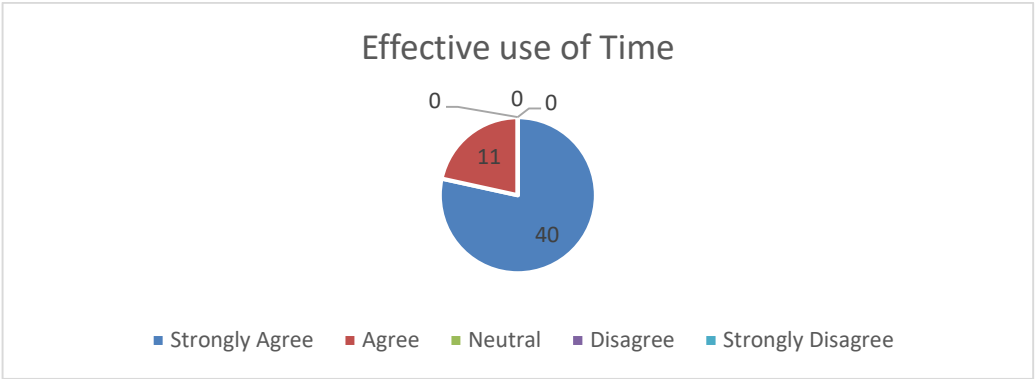



- **SWOT ANALYSIS:**

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