

**GOVT. HOLKAR (MODEL AUTONOMOUS)  
SCIENCE COLLEGE, INDORE**



(An ISO 9001:2015 & ISO 14001:2015 Certified Institution)



# SSR DOCUMENT

2017-18 to 2021-22

## CRITERION -7

### Institutional Values and Best Practices

Metric No. : 7.2.1

#### Document Title:

**B. Emancipation of Digital Transformation of  
Education: Blending Pedagogy with Technology**

**IV. Pedagogical Innovation [Innovative Teaching Based  
Pedagogies (ITBP)] FDP.**

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# **Pedagogical Innovation [Innovative Teaching Based Pedagogies (ITBP)] FDP**

## **Content**

<b>S. No.</b>	<b>Detail</b>	<b>Page Number</b>
<b>1.</b>	<b>Pedagogical Innovation [Innovative Teaching Based Pedagogies (ITBP)] FDP</b>	<b>1-9</b>



**National Education Day: Changing Course, Transforming Education**  
**CLUSTER-Faculty Development Programme**  
Under the aegis of Internal Quality Assurance cell  
**11.11.2022. to 21.11.2022**

**“INNOVATIVE TEACHING PEDAGOGIES:  
Pushing the Boundaries”**

1

**11.11.2022. Forenoon**

Departments of Chemistry, Pharmaceutical Chemistry, Physics, Electronics

2

**11.11.2022. Afternoon**

Departments of Forensic Science, Hindi, English

3

**12.11.2022.**

Departments of Zoology, Fisheries, Biotechnology, Bioinformatics

4

**16.11.2022.**

Department of Computer Science

5

**19.11.2022.**

Departments of Botany, Horticulture, Seed Technology, Microbiology

6

**21.11.2022 Forenoon.**

Departments of Mathematics, Biochemistry

7

**21.11.2022 Afternoon.**

Departments of Geology, Statistics, Economics

4 QUALITY EDUCATION



**National Education Day 2022: THEME: Changing Course. Transforming Education**

**“INNOVATIVE TEACHING PEDAGOGIES: Pushing the Boundaries”**

**LEARNING OUTCOMES**

**Reimagining Teacher's role as facilitators.**

**Faculties understood how to use innovative teaching pedagogies amalgamating NEP-2020, Bloom's Taxonomy, 21st Century Skills, United Nation's Sustainable development Goals.**

**Designing of teaching pedagogies to enhance the learning outcomes of students.**

**Discussion of new approaches or methods of teaching using new technology, incorporating experiential learning, integrating real-world scenarios, promoting collaboration and critical thinking, and providing personalized learning experiences.**

**By using innovative teaching pedagogies, educators can push the boundaries of traditional teaching methods, which often rely on lecturing and memorization.**

**Innovative methods can help students develop higher-order thinking skills (HOTS) and become more engaged and motivated learners.**

**Faculties can help students become better prepared for the workforce by teaching them skills that are relevant to the real world.**



Under the patronage of

**Dr. Suresh T Silawat**

PRINCIPAL

Govt. Holkar (Model Autonomous) College, Indore

**GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE,**  
**INDORE**

**CIRCULAR**

**(09.11.2022)**

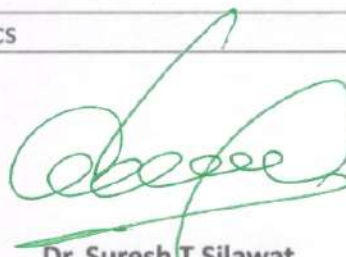
A **CLUSTER- FACULTY DEVELOPMENT PROGRAMME (CLUSTER-FDP) ON “INNOVATIVE TEACHING PEDAGOGIES: Pushing the Boundaries”** is being organized for all the faculties by internal quality assurance cell (IQAC) as a

The FDP will focus on new and innovative teaching methodologies and all the departments have been clustered into small groups for having better interactive sessions. Post-FDP, all the faculties have to submit a presentation showing at-least one innovative teaching pedagogical practice aligned with NEP-2020 and implemented by them.

The Cluster-FDP scheduler is posted under neath. All the Head of the Departments should make it sure that all the faculties attend the FDP as per schedule and submit their pedagogy presentation within a week's time.

**Cluster-FDP scheduler:**

Date	Departments
11.11.2022 (forenoon)	Chemistry, Pharmaceutical Chemistry, Physics, Electronics
11.11.2022 (Afternoon)	Forensic Science, Hindi, English
12.11.2022	Zoology, Fisheries, Biotechnology, Bioinformatics
16.11.2022	Computer Science
19.11.2022	Botany, Horticulture, Seed Technology, Microbiology
21.11.2022 (Forenoon)	Mathematics, Biochemistry
21.11.2022 (Afternoon)	Geology, Statistics, Economics



Dr. Suresh T Silawat  
Principal

Govt. Holkar (Model, Autonomous) Science  
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Science College, Indore

**Govt Holkar (Model, Autonomous) Science College, Indore**

**Internal Quality Assurance cell**

**REPORT OF CLUSTER-FDP**

**“INNOVATIVE TEACHING PEDAGOGIES: Pushing the Boundaries”**

**(11.11.2022 to 21.11.2022)**

**Introduction:**

On the occasion of **National Education Day 2022: THEME: Changing Course, Transforming Education**, a cluster-FDP on **“INNOVATIVE TEACHING PEDAGOGIES: Pushing the Boundaries”** was started on 11.11.2022. With the implementation of NEP-2020, Innovative teaching pedagogies involving the use of new and creative methods to engage students in the learning process is the new normal. Acclimatization of the faculties to these new methods of teaching-learning and implementing a smooth transition to learner-centric methods is a challenge as well as opportunity for the organizations. These methods may include project-based learning, flipped classrooms, gamification, and personalized learning, among others.

**Objectives:**

- With small clusters of participants, the interactive sessions can be more fruitful.
- The goal of these pedagogies is to create a more active and engaging learning environment for students, which can lead to better retention of knowledge and improved academic performance.
- The implementation of innovative teaching pedagogies may require changes to traditional classroom structures, such as a shift away from lecture-based instruction and more emphasis on student-centered learning.
- Usage of technology and digital tools to facilitate learning and collaboration.

**Outcomes:**

- Reimagining Teacher's role as facilitators.
- Faculties understood how to use innovative teaching pedagogies amalgamating NEP-2020, Bloom's Taxonomy, 21<sup>st</sup> Century Skills, United Nation's Sustainable development Goals.
- Designing of teaching pedagogies to enhance the learning outcomes of students.
- Discussion of new approaches or methods of teaching using new technology, incorporating experiential learning, integrating real-world scenarios, promoting collaboration and critical thinking, and providing personalized learning experiences.
- By using innovative teaching pedagogies, educators can push the boundaries of traditional teaching methods, which often rely on lecturing and memorization.
- Innovative methods can help students develop higher-order thinking skills (HOTS) and become more engaged and motivated learners.



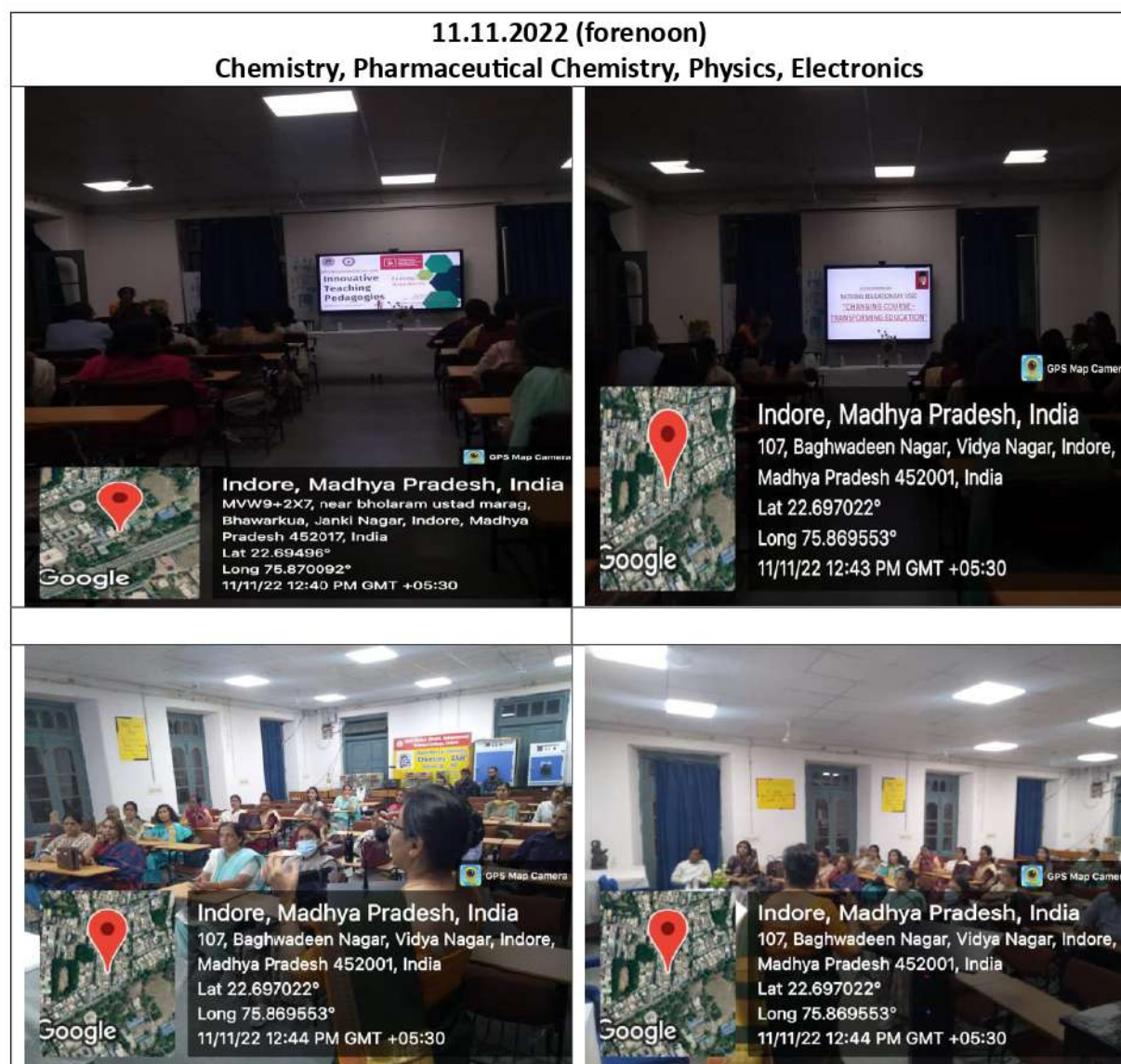
- Faculties can help students become better prepared for the workforce by teaching them skills that are relevant to the real world.

### Conclusions:

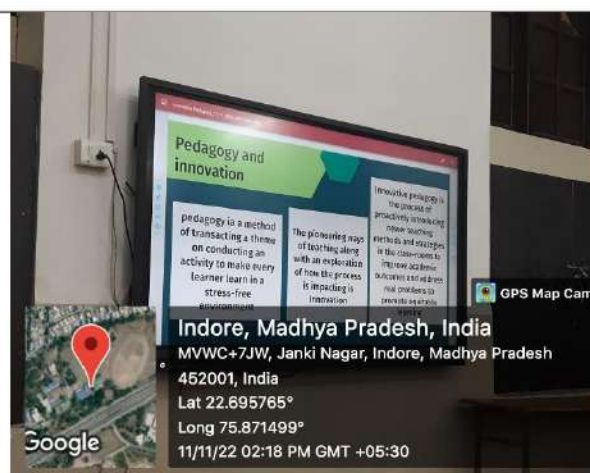
Innovative teaching pedagogies have the potential to enhance the learning experience for students and prepare them for the demands of a rapidly changing world.

The use of innovative teaching pedagogies can help educators push the boundaries of traditional teaching methods and provide students with a more engaging, interactive, and personalized learning experience.

### Photograph Gallery:



**11.11.2022 (Afternoon)**  
**Forensic Science, Hindi, English**



**12.11.2022**  
**Zoology, Fisheries, Biotechnology, Bioinformatics**







## 16.11.2022 Computer Science



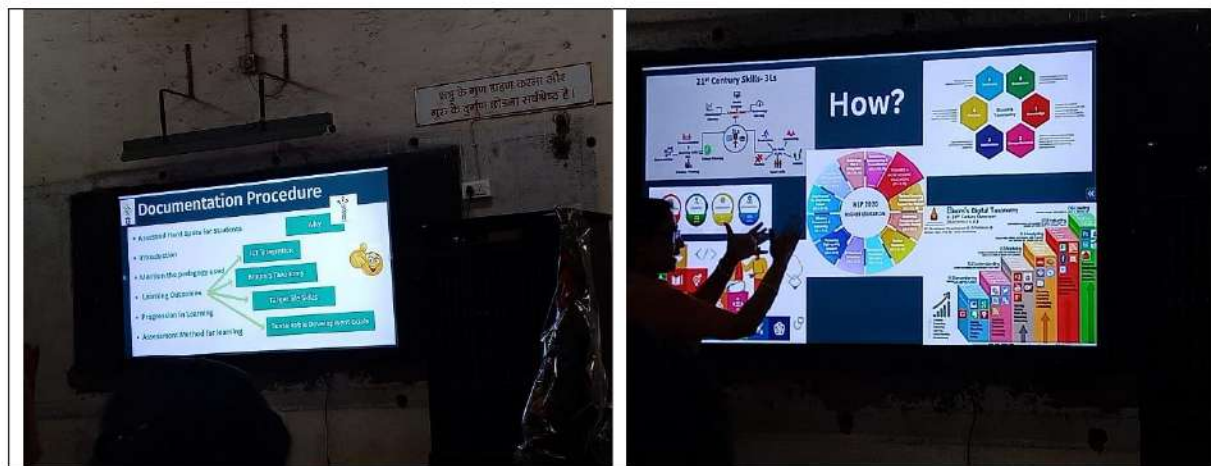
**19.11.2022**  
**Botany, Horticulture, Seed Technology, Microbiology**



**21.11.2022 (Forenoon)**  
**Mathematics, Biochemistry**







**21.11.2022 (Afternoon)**  
**Geology, Statistics, Economics**



  
**TQAC Coordinator**  
**Government Holkar (Model Autonomous)**  
**Science College, Indore**