



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

# **DEPARTMENT-WISE STATEMENT OF PURPOSE@NEP-2020**

**INTERNAL QUALITY ASSURANCE CELL**





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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Kiran Billore, Head of Department of Bioinformatics], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

As educators and advocate for inclusive and sustainable education, every one of us firmly believes in the transformative power of education to address complex global challenges. The Department is dedicated to creating a curriculum that fosters ethical values, gender equality, environmental consciousness, and holistic human development. The Department is committed to aligning the curriculum with the SDGs and the National Education Policy, which will be reflected through its POs, and to preparing students for becoming responsible citizens and contributing to a sustainable future.


It will be executed through:

- 1. Curriculum Review:** A thorough review of the existing curriculum will be conducted to identify opportunities for integrating cross-cutting issues. This review will encompass learning objectives, subjects, and topics covered in each course. The Department will identify synergies and interconnections between disciplines to ensure a comprehensive integration of crosscutting issues throughout the curriculum.
- 2. Learning Outcomes:** The Department will define clear and measurable learning outcomes related to professional ethics, gender, human values, environment and sustainability, and the SDGs. These outcomes will reflect not only cognitive knowledge but also the development of attitudes, values, and skills necessary for sustainable and inclusive development.
- 3. Curriculum Development:** The Department will actively engage in curriculum development by designing and adapting learning materials that incorporate cross-cutting issues. These materials will be inclusive, diverse, and contextualized to resonate with students' experiences and local contexts. The Department will collaborate with subject matter experts, faculty members, and external stakeholders to ensure the accuracy, relevance, and applicability of the materials.



4. **Interdisciplinary Approach:** The Department will promote an interdisciplinary approach by encouraging collaboration and knowledge exchange among faculty members across disciplines. By facilitating interdisciplinary projects, seminars, and workshops, I will foster a holistic understanding of cross-cutting issues and promote innovative and collaborative problem-solving.
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Through this Statement of Purpose, The Department eagerly anticipates the opportunity to implement this vision and contribute to creating a more inclusive, sustainable, and equitable society through education.

  
Dr. Kiran Billore  
Professor and Head  
Department of Bioinformatics  
**Head**  
Department of Bioinformatics  
Govt. Holkar Science College, Indore



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations.**

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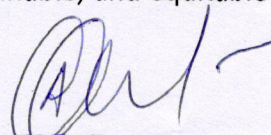
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Professor and Head  
Department of Biochemistry  
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**DEPARTMENT OF BIOTECHNOLOGY**

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

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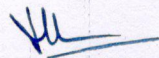
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Dr. Kiran Billore

Professor and Head

Department of Biotechnology

Department of Biotechnology

Govt. Holkar Science College, Indore



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Sanjeeda Iqbal, Head of Department of Botany], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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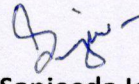
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Department of Botany  
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शा. डोलकर विज्ञान महा. इन्दौर



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

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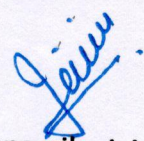
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Govt. Natar Se. College, INDOR



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

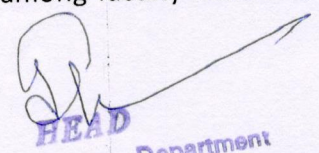
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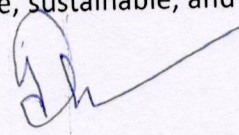
  
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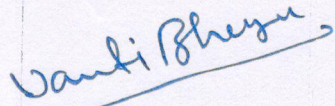
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H.O.D  
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**DEPARTMENT OF ELECTRONICS**

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Netram Kaurav, Head of Department of Electronics], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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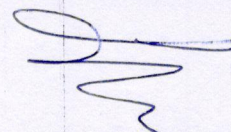
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Dr. Netram Kaurav  
HOD

Department of Electronics

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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Geetha Sarasan, Head of Department of Forensic Science], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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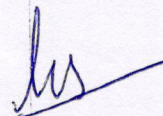
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Professor and Head  
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Forensic Science Department  
Govt. Holkar Science College  
Indore (M.P.)



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Vishnu Gadgil, Head of Department of Geography], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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Dr. Vishnu Gadgil  
Professor and Head  
Department of Geography



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

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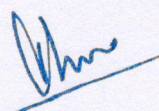
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Dr. Vishnu gadgil  
Professor and Head  
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Govt. Holkar Science College  
Bhopal  
Department of Geology



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

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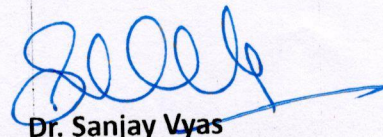
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**Professor and Head**  
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Govt. Holkar Science College  
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**GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE**  
**DEPARTMENT OF MATHEMATICS**

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

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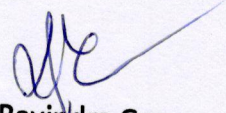
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**GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE**  
**DEPARTMENT OF MICROBIOLOGY**

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

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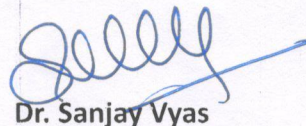
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Department of Microbiology  
**Dept. of Microbiology**  
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**GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE**  
**DEPARTMENT OF PHARMACEUTICAL CHEMISTRY**

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

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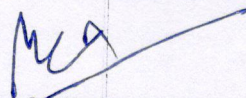
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Through this Statement of Purpose, The Department eagerly anticipates the opportunity to implement this vision and contribute to creating a more inclusive, sustainable, and equitable society through education.



Dr. M.K. Dwivedi  
Professor and Head  
Department of Pharmaceutical Chemistry

**PROFESSOR & HEAD**  
**Deptt. of Pharmaceutical Chemistry**  
**Govt. Holkar Science College**  
**INDORE (M.P.)**



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. G. D. Gupta, Head of the Department of Physics], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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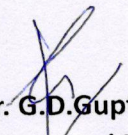
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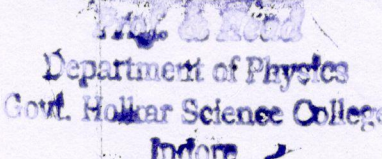


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Dr. G.D. Gupta  
Professor and Head  
Department of Physics

  
Department of Physics  
Govt. Holkar Science College  
Indore



**GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE**  
**DEPARTMENT OF SEED TECHNOLOGY**

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Preeti Chaturvedi, Head of the Department of Seed Technology], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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**Dr. Preeti Chaturvedi**  
**Professor and Head**

Department of Seed Technology

विभागाध्यक्ष  
शा. होलकर विज्ञान महाविद्यालय,  
इन्दौर (म.प्र.)



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Unnati Bhayare, Head of the Department of Statistics], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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**Dr. Unnati Bhayare**  
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Department of Statistics

**HEAD**  
Department of Statistics  
Govt. Holkar Science College, Indore



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

**SUB: Statement of Purpose (SoP) for Inculcating Crosscutting Issues, Values Framework @ SDGs-2030 & NEP-2020 in the Curriculum and Pedagogical Innovations from the session 2021-2022 onwards.**

I, [Dr. Rekha Sharma, Head of Department of Zoology], hereby presents my department's Statement of Purpose (SoP) to outline our vision and approach for integrating crosscutting issues relevant to professional ethics, gender, human values, environment, and sustainability, and Values Framework in the Sustainable Development Goals (SDGs) into the curriculum and pedagogical innovations as per the Sustainable Development Goals and the National Education Policy - 2020.

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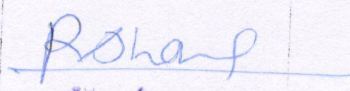
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Dr. Rekha Sharma  
Professor and Head

Govt. Honkar Sci. College, Indore  
Department of Zoology