



Department/ School Name: Biotechnology / School of Engineering and Technology
Academic Year 2025-26
Report on Expert Talk

1. Event Title: Special Lecture on “Bioinformatics Driven Innovation and Their Protection Through IPR”

Organized on the Occasion of World Intellectual Property Rights (IPR) Day

2. Event Date: 25th April 2026

3. Event Conduction Duration: 11.00 am to 12.00 pm

4. Event Venue: Department of Biotechnology, Sandip University, Nashik.

5. Name of Event Coordinators with contact details:

- Dr. Varsha Rani, Head, Department of Biotechnology (varsha.rani@sandipuniversity.edu.in)

6. Event Outline :

The Department of Biotechnology, School of Engineering and Technology, Sandip University, Nashik, organized a special lecture on the occasion of World Intellectual Property Rights (IPR) Day on 25th April 2026. The objective of the program was to create awareness among students, researchers, and faculty members about the importance of Intellectual Property Rights in biotechnology and bioinformatics research and to understand the protection mechanisms available for innovative scientific discoveries.

The lecture was delivered by Dr. Ashutosh Mani, Associate Professor, Motilal Nehru National Institute of Technology (MNNIT), Prayagraj (Allahabad), on the topic “Bioinformatics Driven Innovation and Their Protection Through IPR.” The session was conducted online through Google Meet and witnessed active participation from students, research scholars, faculty members, and professionals from various institutions.

The program commenced with a warm welcome and introduction of the guest speaker by Dr. Varsha Rani, Head, Department of Biotechnology. She highlighted the significance of celebrating World IPR Day and emphasized the growing importance of intellectual property protection in the fields of biotechnology, bioinformatics, pharmaceuticals, and healthcare research.

During the lecture, Dr. Ashutosh Mani provided an insightful overview of the rapidly evolving field of Bioinformatics and explained how computational tools and data-driven approaches are transforming biological research. He discussed the role of bioinformatics in genome analysis, drug discovery, molecular diagnostics, precision medicine, agricultural biotechnology, and artificial intelligence-assisted biological research.

A major focus of the lecture was on the protection of innovations generated through bioinformatics research. Dr. Mani explained various forms of Intellectual Property Rights (IPR), including patents, copyrights, trademarks, industrial designs, and trade secrets. He elaborated on the process of securing intellectual property and discussed the criteria required for obtaining patent protection for biotechnology and bioinformatics-based inventions. The speaker highlighted the challenges associated with patenting biological data, computational algorithms, software tools, databases, and bioinformatics-driven discoveries. Through several real-world examples and case studies, he illustrated how innovative research outputs can be protected while ensuring ethical and legal compliance. He also discussed international patent frameworks and the significance of intellectual property management in academic research, startups, and industrial biotechnology sectors. Dr. Mani further emphasized the importance of innovation-driven entrepreneurship and encouraged students and researchers to develop novel technologies with commercial and societal impact. He guided participants on how to identify patentable ideas, document research outcomes effectively, and convert scientific innovations into intellectual assets.

An interactive question-and-answer session followed the lecture, during which participants actively engaged with the speaker and sought clarification on patent filing procedures, software copyrights, biotechnology patents, and career opportunities in intellectual property management. Dr. Mani addressed all queries comprehensively, making the session highly informative and engaging.

The lecture was attended by undergraduate and postgraduate students, research scholars, faculty members of the Department of Biotechnology, and participants from various academic institutions. The program concluded with a formal Vote of Thanks delivered by Dr. Gautam Anand, who expressed sincere gratitude to Dr. Ashutosh Mani for sharing his valuable expertise and insightful knowledge on bioinformatics-driven innovations and Intellectual Property Rights. He also extended his appreciation to Prof. Dinesh Yadav, Director, Research and Development Cell, Deen Dayal Upadhyaya Gorakhpur University, for his valuable contribution in making the session highly interactive and engaging.

Outcome of the Programme:

1. Understanding the role of bioinformatics in modern biological research and innovation.
2. Awareness of different forms of Intellectual Property Rights (IPR).
3. Knowledge of patent filing procedures and patentability criteria.
4. Understanding challenges associated with protecting bioinformatics-based innovations.
5. Exposure to real-world examples of biotechnology and bioinformatics patents.
6. Insights into research commercialization and technology transfer.
7. Understanding the importance of IPR in academia, industry, and entrepreneurship.
8. Awareness of career opportunities in Intellectual Property Management, Patent Analytics, and Technology Innovation.

7. Event photos.

SANDIP UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
Organizing

Special lecture on the Occasion of
WORLD IPR DAY
Topic
"Bioinformatics Driven innovation and their protection through IPR"

2026
APRIL 25
11:00 AM TO 12:00 PM

Eminent Guest Speaker
DR. ASHUTOSH MANI
Associate Professor
Maulana Abul Kalam Institute of Technology Aligarh (NIT Aligarh)

Dr. Vansha Rani
HOD Biotechnology

Dr. P. G. Burade
Associate Dean Engineering

SCAN FOR GOOGLE MEET LINK

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Procedure for Registration of Patent

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graph TD
    A[Identifying a concept/idea] --> B[Formulate the idea/concept]
    A --> C[Prior Art Search (Novelty/Patentability Search)]
    C --> D{NOVELTY}
    D -- NO --> B
    D -- YES --> E[Drafting Patent Specification (either Provisional or Non Provisional Application)]
    E --> F[Confirming Ownership]
    F --> G[Filing a Patent application along with Fee and Forms]
    G --> H[Prosecuting through Patent Office]
    H --> I{Patent to be granted}
    H --> J{Patent not to be granted}
    I --> K[Maintenance]
    J --> L[Non Provisional Complete Application contains: Title of the invention, Field of the invention, Background of the invention, Objects and summary of the invention, Brief description of the invention, Detailed description of the invention, Claims, Abstract]
    
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Forms 1 - Application for Grant of Patent
Forms 2 - Provisional or Non Provisional Application
Forms 3 - Unsubstantiated foreign Application (if any)
Forms 5 - Declaration to Inventorship (optional)
Forms 9 - Request for Publication (optional)
Forms 18 - Request for Examination
Forms 15A - Request for Expedited examination (if applicable)
Forms 26 - Authorization of a Patent Agent/Attorney

Non Provisional Complete Application contains:
Title of the invention
Field of the invention
Background of the invention
Objects and summary of the invention
Brief description of the invention
Detailed description of the invention
Claims
Abstract

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11:45 AM | Special Talk on "Bioinformatics Innovation an..."

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12:21 PM | Special Talk on "Bioinformatics Innovation and..."

Participants:

- Shruti Dwivedi
- Shravani Sonawane
- Ashutosh FACULTY
- Shivangi Rungta
- Dinesh Yadav
- Priyanka ahire
- Komal Agrawal
- Gautam Anand
- achal hunge
- Jayant Parpalliwar
- ROHIT Patil
- Rajeev Ranjan
- Shambhavi gaware
- karan puja
- 11 others
- HOD Biotechnology

