

Session 2024-25

Undergraduate Research Initiative

Four students of the Department of Botany, Gurudas College, Sumit Saha, Purnima Paul, Archismita Sen and Sourima Mukherjee actively participated in an intracollege poster competition held on the occasion of World Intellectual Property Day on **14th June, 2024** organised by **IQAC Gurudas College and IPR Cell Gurudas College**. Dr. Mahua Hom Choudhury was the resource person and the judge of the day. The competition was part of a seminar titled "**IPR and Innovation: Shaping the Future**," which aimed to create awareness about the importance of intellectual property rights in promoting innovation and entrepreneurship. The poster competition saw enthusiastic participation from students, who presented their innovative ideas on various topics related to botany and its applications. Such as Kitchen Waste Compost Production, Harnessing the Power of Neem for Healthy Skin, development of Quinone Protein Bar, Oats Smoothie, etc. The poster competition provided a platform for students to showcase their creativity, innovation, and knowledge in the field of botany. Sumit Saha ranked 3rd in the poster competition. The event was a huge success, with students, teachers, and judges engaging in fruitful discussions and exchanging ideas. The competition helped to foster a spirit of innovation and entrepreneurship among students, encouraging them to think creatively and develop innovative solutions to real-world problems.

Poster presentation 1: ORGANIC KITCHEN WASTE COMPOST PRODUCTION

Presented By: Sumita Saha

Demonstration of the production of nutrient-rich compost from organic kitchen waste. Food scraps, fruit/vegetable peels, tea leaves, and eggshells are converted into a valuable soil conditioner through composting. This eco-friendly approach reduces kitchen waste disposal issues while creating a natural fertilizer, promoting sustainable gardening practices and minimizing environmental impact.

Poster presentation 2: HARNESSING THE POWER OF NEEM FOR HEALTHY SKIN: HOMEMADE NEEM SOAP

Presented By: Purnima Paul

The project explored the creation of homemade neem soap, leveraging the antimicrobial, anti-inflammatory, and antioxidant properties of *Azadirachta indica*. By crafting soap from natural ingredients, we ensure a chemical-free, customizable, and cost-effective product tailored to

individual skin needs. This eco-friendly approach promotes healthy skin, reduces reliance on commercial products, and offers transparency in ingredient selection.

Poster presentation 3: CRAFT YOUR OWN CRUNCH: DELICIOUS AND NUTRITIOUS HOMEMADE QUINON PROTEIN BAR FOR EXPECTING MOMS

Presented By: Archismita Sen

The project showcased the creation of a nutritious homemade quinone protein bar tailored for expecting mothers. Rich in protein, fiber and essential nutrients, these bars support prenatal health and satisfy cravings. By using natural ingredients and avoiding artificial additives, these protein bars provide a healthy and delicious snack option for pregnant women.

Poster presentation 4: SLURP IT WITH A SMILE: PREPARATION OF A NUTRITIONAL DRINK OATS SMOOTHIE

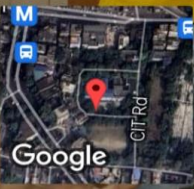
Presented By: Sourima Mukherjee

Project involves the preparation of a nutritious and healthy drink, Oats Smoothie, using rolled oats, yogurt, fruits, and spices. The smoothie is rich in fiber, protein, and essential nutrients, making it an excellent beverage for health-conscious individuals. The preparation process involves soaking oats, blending with yogurt and fruits, and adding spices for flavor. The resulting smoothie is a delicious and nutritious drink that promotes digestive health, boosts energy, and supports overall well-being.

Rationale for participation in this event are as follows:

1. Fostering Innovation and Entrepreneurship which encourage students to think creatively and develop innovative solutions to real-world problems in botany.
2. Promoting Intellectual Property Rights Awareness for educating students about the importance of intellectual property rights in promoting innovation and entrepreneurship.
3. Developing Presentation and Communication Skills of the student by providing them a platform to showcase their knowledge, creativity, and innovation in botany.
4. Encouraging Interdisciplinary Connections for the students to inspire and explore the intersections between botany, innovation, and entrepreneurship.
5. Building Confidence and Competitiveness amongst the students to build confidence in their abilities.

Glimpses of the Day



Kolkata, West Bengal, India
 1, 1, Suren Sarkar Rd, Jewish Graveyard, Phool Bagan, Belegkata, Kolkata, West Bengal 700010, India
 Lat 22.571115°
 Long 88.390275°
 14/06/24 01:46 PM GMT +05:30

GPS Map Camera



Kolkata, West Bengal, India
 1/1, Suren Sarkar Rd, near Gurudas College, Jewish Graveyard, Phool Bagan, Belegkata, Kolkata, West Bengal 700010, India
 Lat 22.571217°
 Long 88.390384°
 14/06/24 01:09 PM GMT +05:30

GPS Map Camera



 GPS Map Camera



Kolkata, West Bengal, India

1/1, Suren Sarkar Rd, near Gurudas College, Jewish Graveyard, Phool Bagan, Belegkata, Kolkata, West Bengal 700010, India

Lat 22.571274°

Long 88.390514°

14/06/24 01:53 PM GMT +05:30



GURUDAS COLLEGE

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Organized by
IPR Cell, Gurudas College, in collaboration with R & D Cell,
Seminar Subcommittee & IQAC, Gurudas College

This is to certify that Sri / Smt Sumit Saha, Department of Botany, Gurudas College, has actively participated and presented a poster in an Intra College Poster Competition celebrating World IP Day 2024, titled "IPR & Innovation: Shaping the Future" held at Gurudas College. He / She, as a part of a group / individually presented a poster titled Organic Kitchen Waste Compost Production.

He / She ranked 3rd

MS Me
Convenors

Santhi
IQAC
Coordinator

Shakti
Principal



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This is to certify that Sri / Smt Archamita Sen, Department of Botany, Gurudas College, has actively participated and presented a poster in an Intra College Poster Competition celebrating World IP Day 2024, titled "IPR & Innovation: Shaping the Future" held at Gurudas College. He / She, as a part of a group / individually presented a poster titled Craft your own crunch: Delicious and nutritious Homemade Quinoa Protein Bar for Expecting Mums.

He / She ranked —

MS Me
Convenors

Santhi
IQAC
Coordinator

Shakti
Principal



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This is to certify that Sri / Smt Purnima Paul, Department of Botany, Gurudas College, has actively participated and presented a poster in an Intra College Poster Competition celebrating World IP Day 2024, titled "IPR & Innovation: Shaping the Future" held at Gurudas College. He / She, as a part of a group / individually presented a poster titled Harnessing The Power of Neem for healthy skin.

He / She ranked _____

MS Me
Convenors

Chaitan
IQAC
Coordinator

Shakti
Principal



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This is to certify that Sri / Smt Souzima Mukherjee, Department of Botany, Gurudas College, has actively participated and presented a poster in an Intra College Poster Competition celebrating World IP Day 2024, titled "IPR & Innovation: Shaping the Future" held at Gurudas College. He / She, as a part of a group / individually presented a poster titled Slurp it with a smile: Preparation of Nutritious Liquid Refreshment, Date Smoothie.

He / She ranked _____

MS Me
Convenors

Chaitan
IQAC
Coordinator

Shakti
Principal