

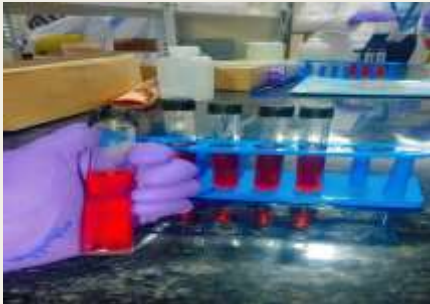
# SANT HIRDARAM GIRLS COLLEGE, BHOPAL



**Monthly Report December 2024**

Monday to Thursday, 25<sup>th</sup> November to 5<sup>th</sup> December 2024

## 10-Day Field Project for B.Sc. I Year and B.Sc. III Year Biotechnology Students at Anvaya Biotech, Bhopal



The students of B.Sc. I year and B.Sc. III year Biotechnology of Sant Hirdaram Girls College, Bhopal have attended and completed 10 Days field project at Anvaya Biotech., Bhopal. Total 24 students, (21 from B.Sc. I year and 3 from B.Sc. III year) Biotechnology have attended this program. During the training, students have gained hands-on experience in essential laboratory techniques, including media preparation, colony morphology analysis, microbial colony isolation, and staining methods. They have also performed biochemical tests such as oxidase and catalase to identify microorganisms. Additionally, the students learned about Good Laboratory Practices (GLP) and the use of key laboratory instruments. This training enhanced their practical skills and prepared them for future careers in biotechnology and microbiology.

Thursday, 5<sup>th</sup> December 2024

## SHGC Organized Investor Awareness Program



On 5<sup>th</sup> December 2024, The Training and Placement Cell in collaboration with the Department of Commerce, Sant Hirdaram Girls College successfully organized an Investor Awareness Program under the Corporate Social Responsibility (CSR) initiative of the Securities and Exchange Board of India (SEBI) and Market Infrastructure Institutions (MII). The program aimed to enhance financial literacy and equip students with essential knowledge about investment practices, capital markets, and the importance of informed decision-making in financial planning.



Principal Dr. Dalima Parwani, in her address, emphasized the importance of financial education for young minds. She stated, “Empowering our students with knowledge about investments and market operations is a step towards creating financially responsible citizens. Such initiatives not only boost confidence but also prepare them for a secure financial future.”

The keynote speaker, Dr. Sarika R. Lohana, the finance expert, life coach and NLP master trainer initiated the session by highlighting the functions of SEBI. She further provided the students with valuable knowledge about the securities market and essential principles for becoming a smart investor. The session covered a range of crucial topics to help individuals make informed financial decisions, plan for long-term wealth creation, and understand the path to financial freedom. The interactive nature of the program ensured active participation, fostering a deeper understanding of financial markets.



By the end of the program, students gained practical knowledge and actionable strategies to approach investing intelligently and pursue financial freedom. Dr. Sarika’s guidance empowered individuals to understand the dynamics of the securities market, take control of their financial futures, and make informed decisions that align with their long-term objectives. The college remains committed to holistic education and continues to provide platforms for students to gain practical insights into essential life skills.

Tuesday to Wednesday, 26<sup>th</sup> November to 11<sup>th</sup> December 2024

**15-Day Field Project Training for B.Sc. I Year Biotechnology Students at the Department of Research & Clinical Genetics, Jawaharlal Nehru Cancer Hospital and Research Centre, Bhopal**



Students of B.Sc. I year Biotechnology of Sant Hirdaram Girls College have attended and completed 15 Days field project training at the Department of Research & Clinical Genetics, Jawaharlal Nehru Cancer Hospital and Research Centre, Bhopal. Total 25 students have participated in this program. During the program, the students were provided with hands-on experience in various essential techniques, such as Microscopy, Gel Electrophoresis, Haematology and Cytological Staining, Lymphocyte Extraction, Thin layer chromatography, Spectrophotometry, Giemsa & Field staining etc. Students also learned about Good Laboratory Practices (GLP) and Good Clinical Practices (GCP), which are essential for maintaining high standards in research and clinical settings. This training provided the students with valuable hands-on experience, strengthening their practical skills and deepening their understanding about their academic curriculum.



**Monday to Thursday, 10<sup>th</sup> & 11<sup>th</sup> December 2024**

## **Two-Day Intercollegiate Workshop Organized on Robotics**



The Department of Physics, Mathematics, and Computer Science, in association with MPCST and Robonauts India, Bhopal, organized a two-day Intercollegiate Workshop on Robotics on 10<sup>th</sup> & 11<sup>th</sup> December 2024. The objective of the workshop was to provide technical training to students for utilizing autonomous systems in performing precise and critical tasks in the rapidly advancing world of technology.

The workshop commenced with an inaugural session, followed by an introduction by experts, Mr. Arpit Soni Center Head and Certified Trainer in Robonauts and Mr. Anshu Halder Trainee Engineer at Robonauts, India). Day 1 focused on a blend of theory and practical sessions. The experts provided insights into programming using the Arduino IDE platform, basic circuit designing with electronic components, and the fundamentals of robotics. The day concluded with a doubt-clearing session, enabling students to solidify their understanding.



Day 2 focused on practical applications and hands-on activities. Participants were introduced to the Infra-Red (IR) sensor module and its use as an Arduino input unit, along with the basic circuit implementation of IR sensors. The session progressed with the control of DC motors using IR sensors and an introduction to 3- and 4-wheel robot structure designs. Attendees constructed a 3-wheel robot body using DC motors and castor wheels, connecting it to Arduino, a motor driver module, an IR sensor, and a power unit. The workshop culminated in programming and implementing an IR-based line follower robot, followed by a skill test for participants.



The workshop witnessed enthusiastic participation from 69 students representing various colleges, including Jagran Lake City University and Kasturba Girls College. The concluding event witnessed the college commending the students for their enthusiastic participation and extending heartfelt congratulations to all for a successful and enriching session.

**Monday to Friday, 9<sup>th</sup> to 13<sup>th</sup> December 2024**



## **5-day Faculty Development Program organized on Innovative Teaching and Research**

The Internal Quality Assurance Cell (IQAC) of Sant Hirdaram Girls College, Bhopal, in collaboration with Jaipuria Institute of Management, Indore, successfully conducted a five-day Faculty Development Program (FDP) on Innovative Teaching, Research, Engagement and Excellence from 9<sup>th</sup> to 13<sup>th</sup> December 2024. The program was designed to enhance the teaching methodologies, research capabilities, engagement strategies, and overall excellence of faculty members.

On the inaugural session was led by Dr. Romi Saini, who highlighted the significance of Innovative Teaching methods. She emphasized Integrating Digital Tools, Student-Centric Approaches, and Experiential Learning Techniques to create impactful classroom experiences. Faculty members engaged in interactive discussions and shared their best practices, making the session highly enriching. Second day continued with Dr. Anuj Hundet professor at IEHE Bhopal conducted a practical session focusing on the use of Excel in Academia and the Teaching Profession. The session included tips on Organizing Data, Performing Analyses, and Leveraging Advanced Excel tools for research and administrative purposes. Participants appreciated the hands-on approach, which provided them with valuable skills for streamlining professional tasks.







## 5-day Faculty Development Program organized on Innovative Teaching and Research

On Third and Fourth day, Dr. Harihar Basant facilitated sessions on Team Building and Enhancing Communication Skills. He conducted interactive activities to highlight the importance of collaboration among faculty members and effective communication with students and peers. His sessions were engaging and equipped participants with the knowledge of Effective and Efficient Communication. On the concluding day, the program ended with an impactful session by Mr. Nitin Meher, who focused on the dual aspects of Engaging Stakeholders and Fostering Faculty well-being. He underscored the importance of maintaining professional relationships while prioritizing Mental and Emotional Health. His insights on achieving happiness and contentment resonated deeply with the attendees, leaving them motivated to strive for a balanced and fulfilling professional life.

The five-day FDP was a comprehensive program that provided valuable insights into teaching innovations, research methodologies, and personal development. The synergistic effort of Sant Hirdaram Girls College and Jaipuria Institute of Management successfully fostered a spirit of learning and signed a MoU for future collaboration and initiative, paving the way for innovative opportunities and growth. The faculty members expressed their gratitude and appreciation for the organizers, calling the program a transformative experience.



Friday, 13<sup>th</sup> December 2024

## Skill Development Program Organized



On December 13, 2024, The Commerce Department in collaboration with the Training and Placement Cell of Sant Hirdaram Girls College organized an inspiring program that aimed at enhancing students' Communication and Interpersonal skills, which are crucial for personal and professional development. The program commenced with a welcome address by Ms. Manju Devnani, the Training and Placement Officer. Esteemed guest speakers, Mr. Girish Bhatia and Mr. Mangal Jain, delivered an engaging lecture on Effective Communication Skills. They emphasized aspects such as Active Listening, Clarity, and Adaptability, offering valuable tips for excelling in group discussions and personal interviews.

The guests conducted a mock group discussion where selected students deliberated on a contemporary topic. They provided on-the-spot feedback, teaching students how to present their ideas effectively, handle arguments, and foster better coordination within a group.

An interactive question-and-answer session marked the conclusion of the program. Students enthusiastically posed their queries, and the speakers encouraged them to regularly practice the skills they had learned. Dr. Dalima Parwani, the college principal, expressed her thoughts on the occasion, stating, "Programs like these offer students a golden opportunity to learn and refine their skills. We are proud to see our students showcasing their talents through such activities, preparing themselves for a successful future."

The event was highly successful, providing students with a significant platform to develop professional skills and boost their confidence.



Saturday, 14<sup>th</sup> December 2024

## Student triumphs in Intercollege Competition

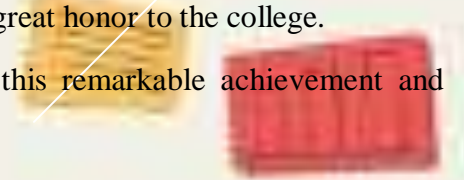
Ms. Shiksha Tiwari, a meritorious student of M.Sc. Chemistry of Sant Hirdaram Girls College has secured the second position in the competitive contest and won a cash prize of ₹20,000. This inter-college competition was organized by Vision IAS.

The competition commenced on September 5, 2024, with a written examination conducted by the college's Training and Placement Cell. Five students were selected from this examination, out of which Chetanya Jarelia, Priya Lalwani, and Shiksha Tiwari represented Sant Hirdaram Girls College at the inter-college level.

On this occasion, the principal of the college, Dr. Dalima Parwani, remarked that Shiksha Tiwari has not only brought pride to the college but has also demonstrated that with determination and hard work, any goal can be achieved. Her performance has been exemplary, and we take great pride in her efforts.

In the second phase of the competition, a case study presentation was conducted to test the participants' analytical abilities. This was followed by a rigorous group discussion and debate in the third and final round. Through her outstanding presentation and unwavering dedication, Shiksha Tiwari achieved remarkable success in this competition, bringing great honor to the college.

We extend our heartfelt congratulations to Shiksha Tiwari for this remarkable achievement and appreciate the efforts of all the participants.



Monday, 16<sup>th</sup> December 2024

## Insightful Session organized on Entrepreneurship



The Training and Placement Cell of Sant Hirdaram Girls College successfully organized an engaging and interactive session on December 16, 2024, conducted by CA Nikhil Nainani, a renowned finance trainer from the Pune Institute of Business Management.

CA Nikhil Nainani offered valuable guidance to students on aligning their skills and expertise with current industry demands, helping them prepare for emerging career opportunities. Additionally, the session provided practical insights into entrepreneurship, inspiring students with ideas for launching successful ventures and encouraging creativity and innovation.

The students actively participated in various activities, making the session informative, enjoyable, and motivational.

On this occasion, Principal Dr. Dalima Parwani said, such sessions are vital for bridging the gap between academic learning and professional growth. They not only empower students to make informed career choices but also encourage them to explore entrepreneurial pathways with confidence and determination.

The event concluded on a high note, leaving students motivated and well-informed. A heartfelt thanks to CA Nikhil Nainani for sharing his expertise and igniting the entrepreneurial spirit among the students.



Monday, 17<sup>th</sup> December 2024

## Session on Empowering Her Hustle: Inspiring the Next Generation of Women Entrepreneurs



On 17<sup>th</sup> December 2024, a special session on the topic empowering Her Hustle: Inspiring the Next Generation of Women Entrepreneurs was organized at Sant Hirdaram Girls College under the joint auspices of the E-Cell and Innovation Institution Council. The objective of the program was to encourage women to step into the field of entrepreneurship with new thinking, self-reliance, and confidence. The session featured Ms. Arshi Khan, an entrepreneur and founder of College Khabri, as the keynote speaker. Ms. Khan has made significant contributions to women's empowerment and entrepreneurship.



On this occasion, the college principal, Dr. Dalima Parwani, emphasized that students should first clarify their goals, recognize their skills, and then proceed on the right path. Through a short story, she highlighted the challenges on the journey and stressed the importance of prioritizing action.



Ms. Arshi Khan shared her struggle and success story with the students. She stated that dreaming is everyone's right, but turning those dreams into reality requires hard work, dedication, and courage. She encouraged each student to believe in themselves, recognize their abilities, and begin their journey. Ms. Khan also motivated the students to become self-reliant and turn their passions into businesses. She added that in today's world, women should take advantage of digital and technological platforms to showcase their talents and skills to the world. She further stated that for success, having a goal alone is not enough; one must also adopt continuous effort and a process of learning. In the end, the students had their queries addressed, and the session was filled with energy and knowledge.

Wednesday, 18<sup>th</sup> December 2024

## Students' Educational Visit to IISER, Bhopal: An Inspirational Experience

On December 18, 2024, the Department of Computer Science at Sant Hirdaram Girls' College organized an educational trip for undergraduate students of Computer Science and Science. The primary objective of this visit was to provide students with exposure to advanced research and technological advancements in the field of computer science and science. The journey began with an introduction to IISER Bhopal, followed by an impactful session by Prof. Haroon R. Lone. He discussed ongoing research in Computer Science and IOT and showcased projects like Health Chatbots, Traffic Signal Detection, And Social Anxiety Sensors, offering a glimpse into the future of technology.

Next, the students visited the Data Science and Engineering Department, where NLP (Natural Language Processing) expert Prof. Jasbantha Patro delivered a lecture and shared his experiences. During this visit, students explored seven advanced research laboratories, including Advanced Signal and Image Processing Lab, GeoAI4 Cities Lab, Intelligent Systems Lab, Biomedical Data Science Research Lab, Wisdom Lab, Trustworthy Biometric Vision Lab, Social Data Analytics and Learning Lab. These laboratories provided students with an opportunity to understand cutting-edge research and its real-world applications. The visit concluded with an inspiring address by Prof. Abhijeet Patro, Head of the Computer Science Department, who encouraged students to strive for excellence in their careers.

On this occasion, the college Dr. Dalima Parwani Principal SHGC stated that such educational visits serve as milestones in shaping students' futures. These efforts not only equip our students with technical knowledge but also foster a spirit of research and innovation within them. This initiative by the Department of Computer Science was a momentous experience for students, enriching their knowledge and inspiring them towards research and career opportunities.





Saturday, 21<sup>st</sup> December 2024

## Meditation session to commemorate World Meditation Day



On December 21, 2024, a special meditation session was organized at Sant Hirdaram Girls College to mark World Meditation Day. This event was held under the joint auspices of the college's National Service Scheme Unit and the Heartfulness Institute, Madhya Pradesh. The primary objective of the program was to Promote Peace, Unity, and Compassion Amidst Global Challenges, Enhance Inner Strength, and Inspire Students and Teachers to become more efficient in their endeavors. On this occasion, the college principal, Dr. Dalima Parwani, stated, "In today's times, meditation is a powerful tool for balancing our mental and emotional well-being. The purpose of this special session is not only to foster peace and inner strength but also to empower our younger generation to become self-reliant, efficient, and compassionate."

The session was conducted by Heartfulness Institute Trainers Mr. Shashi Nair, Mr. Swayandeep Jain, and Mr. Govardhan Talreja, who provided insights into various Meditation Techniques and their benefits. During the session, participants, including students and faculty, practiced meditation and experienced Inner Strength and Tranquility. A large number of students and teachers enthusiastically participated in the program. At the end of the session, participants acknowledged the importance of meditation and pledged to make it a part of their lives.

Coincidentally, December 21 also marks the sacred Nirvana Day of Sant Hirdaram Ji. On this occasion, a special tribute assembly was held at the college, where the principal, staff, and students gathered in large numbers to pay homage. Sant Hirdaram Ji, known as the Messiah of Humanity, dedicated his life to social service, education, and spiritual upliftment. His teachings and ideals have inspired millions. During the tribute assembly, devotional songs, bhajans, and collective prayers were conducted.

The program concluded with the distribution of prasad, where the entire college staff pledged to imbibe Sant Hirdaram Ji's values in their lives and work toward the welfare of society.

## Mathematics Day Celebrated in collaboration with MPCST

Tuesday, 24<sup>th</sup> December 2024



On December 24, 2024, Sant Hirdaram Girls College celebrated Mathematics Day with great enthusiasm and zeal. The event was graced by the esteemed academician Prof. Sabhakant Dwivedi from the Institute of Excellence in Higher Education as the chief guest. The program began with the ceremonial lighting of the lamp and by giving tribute to the four Sahibzadas, sons of Guru Gobind Singh Ji, who sacrificed their lives for bravery, courage, sacrifice, and the protection of religion. A short film was presented in their memory, dedicating the day to honor their unparalleled courage and sacrifice.

On the occasion of National Mathematics Day, Principal Dr. Dalima Parwani addressed the gathering, emphasizing that mathematics is an integral part of daily life. She highlighted how it fosters Logical Thinking and Problem - Solving while forming the foundation for future innovations. She added that the aim of the day is to Inspire and Cultivate a love for mathematics among students. The chief guest, Prof. Sabhakant Dwivedi, encouraged the students, stating that mathematics is not confined to numbers and equations but also Enhances our Intellectual Capabilities. He shed light on Ramanujan's contributions, motivating the students to set new benchmarks in the field of mathematics. Several students from various colleges participated in a range of competitions, including Mathematics Talent Hunt, Mathematics in the Real World – Fact or Fiction Coding Challenge, Advanced Mathematical Modeler, Mathematics Meets Culture. The winners were awarded certificates and trophies.

The program concluded with the eloquent address of Dr. Anil Rajput, OSD, Higher Education, Bhopal. He extended his heartfelt congratulations to the students, commending their remarkable participation and unwavering enthusiasm.



Tuesday, 24<sup>th</sup> December 2024

## Special Program Organized by SHGC NSS Unit in Adopted Village Mugalia Hat



On December 24, 2024, as per the directives of the Department of Higher Education, the National Service Scheme (NSS) unit of Sant Hirdaram Girls College, Bhopal, organized various awareness and service programs in the adopted village of Mugalia Hat under the "Mukhyamantri Jan Kalyan Parv." The objective of these programs was to raise awareness among villagers about cleanliness, health, and social welfare.

The event commenced with inspiring suggestions from the village head, Mr. Dharmendra Maran. NSS volunteers presented a street play highlighting the importance of the "Swachh Bharat Abhiyan" (Clean India Mission) and encouraged villagers to adopt cleanliness and support government initiatives. During the program, the volunteers also provided information about various government health schemes such as the Nikshay Yojana, the National Viral Hepatitis Control Program, and the Ayushman Yojana.

On behalf of the institution's Chairman, Shraddey Siddh Bhauji, villagers were gifted dog food, herbal toothpaste, and religious books. Additionally, clothes collected through donations at the college were distributed among the needy in the village.

The Principal, Dr. Dalima Parwani, emphasized that building a clean and healthy India is only possible when every individual understands their responsibility and actively participates in social campaigns. She added that such initiatives by NSS not only make students sensitive to social issues but also aid in their personality development. The college remains committed to contributing to such social service activities.

The villagers participated enthusiastically and appreciated the efforts of the students. This program built a significant bridge between the rural and academic communities.





Wednesday to Thursday, 11<sup>th</sup> December to 26<sup>th</sup> December 2024

**15-Day Internship program B.Sc. II & III Year Biotechnology and Microbiology students at the Department of Research & Clinical Genetics, Jawaharlal Nehru Cancer Hospital and Research Centre, Bhopal.**



A 15-day internship program was organized by the Department of Biotechnology, Sant Hirdaram College, Bhopal at Department of Research & Clinical Genetics, Jawaharlal Nehru Cancer Hospital and Research Centre, Bhopal, for B.Sc. II & III Year Biotechnology and Microbiology students of Sant Hirdaram Girls College, Bhopal. A total of 20 students (13 from Biotechnology and 7 from Microbiology) participated in the program. During the internship, students gained hands-on experience in various laboratory techniques, including plant crude extractions, media preparation, microbial susceptibility testing, lymphocyte separation techniques, such as Trypan Blue assay, CMBN assay, Giemsa staining, and xenograft cell culture techniques. Students also learned about Good Laboratory Practices (GLP) and Good Clinical Practices (GCP), which are essential for maintaining high standards in research and clinical settings. This program provided valuable practical exposure to both biotechnology and microbiology students, enhancing students' skills and understanding of laboratory and clinical research.







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