

Innovation Ecosystem at Sanmati Government College of Science Education and Research, Jagraon

Sanmati Government College of Science Education and Research, Jagraon, has developed a robust innovation ecosystem that empowers students to excel in scientific pursuits. The college boasts state-of-the-art laboratory facilities, including HPLC in the Chemistry Department, a Plant Tissue Culture Lab in the Botany Department, a Scintillation Unit in the Physics Department, and a dedicated Computer Lab for students. These advanced facilities play a crucial role in fostering scientific aptitude and hands-on learning among the students.

One of the college's flagship initiatives is the annual Science Fiesta, which has been successfully running since 2016. This popular science program is designed to ignite the students' passion for research, creativity, and scientific thinking. Participants from neighboring and distant colleges converge at the event to showcase their scientific talents through various competitions and events. The Science Fiesta has played a pivotal role in cultivating a culture of logical thinking, research curiosity, and innovation among the students, inspiring them to pursue excellence in the scientific field.

Even amid the challenges posed by the pandemic, Sanmati Government College remained committed to its innovative endeavors. The institution swiftly adapted its activities to the online platform, ensuring that students could continue their learning journey and actively participate in various events. This adaptability showcased the college's resilience and dedication to providing quality education and fostering innovation and knowledge transfer.

A key aspect of the college's innovation ecosystem is its commitment to environmental conservation. The institution endeavors to create a sustainable, pollution-free campus and actively engages in various plantation drives in collaboration with environmental organizations. A remarkable achievement is the planting of 11,000 native species and 4500 plants by the forest department. In line with this commitment, the postgraduate department of botany led the way in creating a micro-forest and Nanak Bagichi, offering valuable insights into forestry to the students. These initiatives not only contribute to ecological awareness but also demonstrate the college's dedication to nurturing a greener and more sustainable future.

In May 2022, the college took a significant step forward by establishing an outdoor classroom, providing students with a serene and inspiring setting to engage with nature while expanding their knowledge. The outdoor classroom complements the college's ecosystem of innovation and learning, encouraging students to explore scientific concepts in harmony with the environment. Additionally, the establishment of a micro-forest in 2021 further enhances students' holistic development, serving as an excellent educational resource and fostering hands-on learning experiences, particularly in environmental conservation.

Furthermore, the college actively supports economically disadvantaged students in line with its commitment to inclusivity. By providing free access to educational resources, such as books from the library, the college ensures that all students have equal opportunities for quality education. This initiative empowers

financially challenged students, exemplifying the college's vision of creating a level playing field for aspiring learners.

In conclusion, Sanmati Government College of Science Education and Research, Jagraon, stands as a beacon of innovation and knowledge transfer. Through its advanced laboratory facilities, initiatives like Science Fiesta, and commitment to environmental conservation, the college effectively fosters scientific aptitude, logical reasoning, and research interest among students. The incorporation of a micro-forest and the establishment of an outdoor classroom provide unique learning experiences, nurturing students' passion for environmental conservation. Moreover, the college's dedication to supporting economically challenged students reflects its vision of shaping a brighter future for all. With its innovation ecosystem, Sanmati Government College is poised to leave a lasting impact on its students and the society they serve, producing future leaders and innovators who will contribute to scientific advancements and the betterment of society.



HPLC – CHEMISTRY DEPARTMENT





SCINTILLATION COUNTER



CHEMISTRY LAB



TISSUE CULTURE RACK



TISSUE CULTURE LAB



1 Nanak Bagichi inauguration 20 July 2019



2 Micro forest 8 January 2021



Outdoor Classroom



Jagraon, Punjab, India

QFHH+34C Gymnosperm block, Teak Zone, Sanmati govt college of science education and research, Gandhi Nagar, Jagraon, Punjab 142026, India

Lat 30.777606°

Long 75.477745°

09/06/22 10:36 AM



GPS Map Camera