

V.P.M's B.N. Bandodkar College of Science (Autonomous), Thane

**The Innovation Corner
"Know the Innovators Series"**

Activity Report

Day and Date: Thursday, 28th October, 2021

Online Platform: Microsoft Team

Speaker: Prof. Vyankatesh G. Gambhir

Time: 5:00 PM

Attendee: 35 participants

"FREDERICK BANTING: AN INNOVATIVE PHYSICIAN"

"Innovation Corner" organised a very interesting session on "Frederick Banting: an innovative physician" under the series "Know the Innovators". The online session was conducted on 28th October, 2021 at 5:00 pm through Microsoft Teams platform. The guest speaker for the lecture was Prof. Vyankatesh G. Gambhir, Retired Professor, Homi Bhabha Centre for Science Education, TIFR, Mumbai

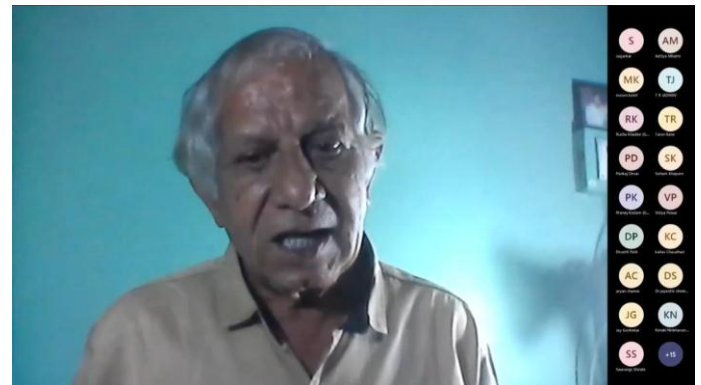
Prof. Gambhir started his talk by taking the audience back in the year 1921 in Toronto city, Canada, when Fredrick Banting managed to get permission to use Prof. John MacLeod's laboratory at University of Toronto, when all the staff at the University was busy, preparing for a long summer vacation. He then explained how he, with the help of a student Charles Best, started working in the laboratory with the dogs, how fluid removed from the pancreas of the dogs helped treat diabetic dogs, how their experiments succeeded (definitely after some failures) and how he reported Prof. MacLeod weekly all the findings. Finally, when no remedy, no cure was known about diabetes, Banting had a solution. All these events proved that with hard work, anything can be achieved.

Intensifying the interest level in the story, he explained how their paper on dog experiments got criticized for killing animals in the conference conducted by American Physiological Association, and how they were banned from conducting such experiments on human bodies after inserting the same fluid into their bodies. But on the way back they got idea of using pancreas of other dead animals, which is of no use. After years of hard work, they got opportunity to treat a child who was dying of diabetes with the permission of the father to try out the insulin developed by Banting. The news reached all over the world, attracting attention of many companies providing help to Banting and MacLeod to treat other people. The fluid was renamed as Insulin and the noble prize was declared to Banting and MacLeod. As Banting found prize given to MacLeod controversial, he shared half of his credit to Charles Best, the student who helped him tirelessly on the experiments. Finally Vyankatesh Gambhir sir concluded the session by telling how Banting, being injured himself, helped others and died of internal bleeding in the year 1931.

The story told by Vyankatesh Gambhir sir inspired the audience and, taught how helping others was the main aim of Banting's life. The session was well appreciated by all the students present in the session. The session was ended with formal vote of thanks by Mr. Aditya Mhatre. There were total 35 students and teachers present for the talk.

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Pictures from the session



Feedback analysis

