

Science Setu Program

In April 2017, Shaheed Rajguru College of Applied Sciences for Women (SRCASW) collaborated with Translational Health Science and Technology Institute (THSTI), an Institute of the Department of Biotechnology, Government of India, under prestigious **SRCASW-THSTI Science Setu Program for three years**. This is an initiative to contribute to the national goal of encouraging more and more bright young minds to take up the pursuit of science and technology as a career option. In the second year of the collaboration, three activities were organized in the college premises and THSTI to address the changing needs of teaching, learning and research in biological sciences.

On 14th September 2018, five scientists of the Drug Discovery for metabolic diseases group, THSTI, visited college and different laboratories. Two lectures were presented, (1) Drug Discovery in Academic Institutions in India by Dr. Sanjay Banerjee, and (2) Mathematics in Biology by Dr. Samrat Chatterjee, each followed by an interactive session. The lectures were followed by a Debate on experimenting on animals for biomedical research with Dr. Dinesh Mahajan, Dr. Shilpa Jamwal and Dr. Sameena Khan evaluating the participants.

In the second phase, four students from Biomedical Science and Biochemistry Department were provided short-term research training at different labs of THSTI from 20th to 28th December 2018 under “**Shadow a Scientist**” Program. The students underwent training under the guidance of eminent scientists, Dr. Sankar Bhattacharya from Molecular Virology group and Dr. Ramandeep Singh from Tuberculosis Research group. The program helped students to explore new avenues, learn new techniques and get an insight of the current research going on in the field of infectious disease biology.

Third program was organized in the college auditorium on 5th February 2019, wherein six scientists from the Vaccine and Infectious Disease Research Centre (VIDRC) of THSTI interacted with the students and apprise students with the new cutting edge technologies like CRISPR interference. Dr. Guruprasad Medigeshi, Dr. Nisheeth Agarwal and Dr. Milan Surjit talked about the importance of virology and vaccines in combating with deadly, infectious diseases. Dr. Amit Kumar Pandey interacted with the students and gave them an insight about the opportunities and challenges of the scientific leaderships. Dr. Krishnamohan Atmakuri and Dr. Sankar Bhattacharya were also among the speakers.

The programs arranged this year under the SRCASW-THSTI Science Setu initiative engaged the talented pool of students in the delivery of innovation, research and continuous development.