REPORT- Online ATL Workshop

Program Title: ATL UNBOX Tinkering digital summer camp under "Tinker from home"
Organized by: AIM- Niti Aayog, in association with SRF Foundation and IBM

Day/Date: Thursday 25th June- Saturday 25th July and 29th July 2020.

Medium: Webinars held on Cisco Webex

Time/ Duration: 3:00 pm - 5:00pm (two hours)

Participants: Ms Kavita Tewari (Biology Department/ ATL In-charge)
Ms. Sonu Khandelwal (TGT- Physics Department /ATL teacher)
Ms. Rachna Bhatia (TGT- Biology Department/ ATL Teacher)
Ms. Anjali Balana (TGT- Computer Department / ATL Teacher)
ATL Incharges and teachers from various schools.

Resource Person: Mr Avinash Rathi (key resource Person), Mr Nikhil and various other guest speakers arranged for sessions by SRF Foundation.

Atal Innovation Mission, NITI Aayog in collaboration with IBM and SRF Foundation organized a month long - 30 days intensive Online Workshop under "ATL Tinker from Home" for all the ATL in-charges spread across all states of the country.

The aim of the programme was to develop future skills through intensive online Training on "ATL Tinker from home'' where teachers could get real time access to tech experts. The ATL In-charge teachers were trained on latest technologies like TinkerCAD, 3D printing, IoT, Arduino, Raspberry pi, SCRATCH programming, animation and 21st-century skills like critical thinking, design thinking.

The resource persons Mr. Avinash Rathi and Mr. Nikhil explained the concepts in a very simplified manner and handled all queries with patience.

In addition, to enrich the program, weekly quizzes and assignments were given (every Friday) to track the progress. The requirement of submission of a prototype of project encouraged the participants to think, analyse and give solutions to a problem.
Furthermore, to make it even more intriguing for the participant's, weekly Expert Guest sessions were also be organized to give an exposure to the latest technologies being used in the world.

The Guest speaker sessions included:
1 Augmented reality and virtual reality
2 Importance of space education and research in 21st century
3 Robotics through remote learning
4 Biomedical Engineering and 3D printing
5 Concept of satellites

In one session, officials from Atal Innovation Mission, Niti Aayog, shared their views about the role of technology and innovation in 21st century. They appreciated the efforts of SRF

Foundation and IBM and all the participants. They also encouraged participants to motivate their students to innovate. Participants also shared their experiences in this session.

The remaining content and doubt clearing session was conducted on 29th July 2020, followed by a survey and a quiz on 30th July to know the outcome of the workshop. The attendance was mandatory on each day as a criterion for certificate of participation in the training program. Overall, the entire training program was very well planned and executed. It was highly engaging and enriching, providing a unique learning opportunity to all teachers.

Submitted by:

Ms. Kavita Tewari
Ms. Sonu Khandelwal
Ms. Rachna Bhatia
Ms. Anjali Balana