

ITLEENS ATTEND INSPIRE INTERNSHIP SCIENCE CAMP

DATE	: July 16 - 20, 2018
VENUE	: Shivaji College, University of Delhi
ORGANISED BY	: Shivaji College, University of Delhi
CONDUCTED BY	: Department of Science and Technology, Govt. of India
PARTICIPANTS	: 8 Students of Class XI of ITL Public School who were amongst the top 1% of CBSE Class X result.

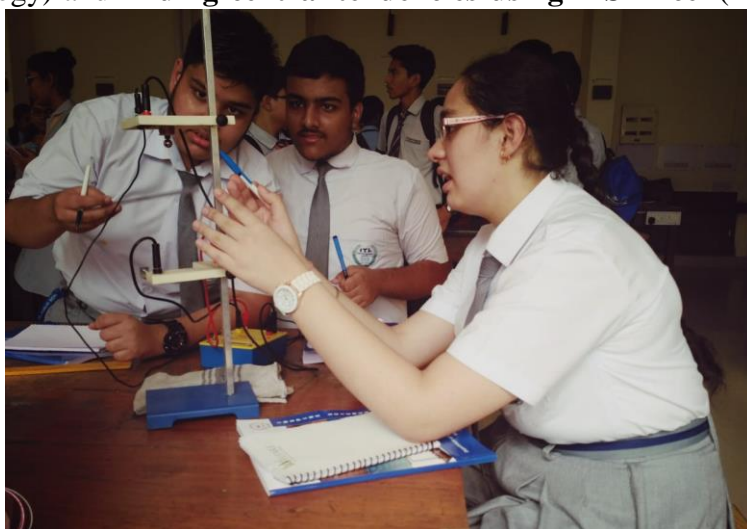
INSPIRE (Innovation in Science Pursuit for Inspired Research) is an initiative by the **Department of Science and Technology, Govt of India**. INSPIRE Camp aims at promoting scientific Research and Innovation and to retain the meritorious students in the Science Stream. It paves the way for the empowerment of the scientific sector of our country.

The **Inspire Internship Camp** was organized by **Shivaji College, University of Delhi** from **July 16 - 20, 2018** in which many schools of Delhi participated. The camp provided a unique opportunity to the students to get a better insight into the advances made in Science and Technology. Over a period of 5 days, they interacted with eminent Scientists and professors of various colleges and were introduced to new, informative and futuristic topics in science like **Nanotechnology, Concepts of higher mathematics like Monte Carlo method, Biotechnology and Bioinformatics, Forensic Chemistry, Global warming and Climate change, Protein synthesis.**

In the afternoon sessions, the students were taken to the labs where they performed various experiments such as developing a **talking app** (in computer science), **observing the spectrum of white light using spectrometer** (in physics), **checking adulteration of milk and butter** (in chemistry), **isolated DNA from plant tissue, mitosis of onion root tip** (in biology) and **finding central tendencies using MS Excel** (in maths). The hands - on experience were designed to facilitate self learning through close interactions.

The highlight of the programme was a visit to **National Physical Laboratory (NPL)**. There the students interacted with Dr Ahuja, a top meteorologists of India. They also got to see the platinum-iridium cylinder which is the standard for 1 kg.

The whole programme proved to an amazing learning experience. The camp helped the students to broaden their scientific horizon and satiate their hunger to know more.



Using laser light to determine the thickness of strand of hair.



Students were encouraged to ask inquiry-based questions. A student interacting with the experts!



Listening to the instructions in the chemistry lab.



Observing the white light spectrum through a spectrometer.



At the National Physical Laboratory