

## DST SERB sponsored high-End workshop on

### Advanced Virological Techniques for Research in Life-Science

A DST-SERB sponsored high-end workshop (Karyashala) on “**Advanced Virological Techniques for Research in Life-Science**” was initiated at the Division of Biological Products on 16<sup>th</sup> August 2023. The ten-day workshop will be held from **16<sup>th</sup> to 25<sup>th</sup> August 2023**. The trainees include Masters and Doctoral degree students from across 10 states of the country. Hon’ble Director & Vice Chancellor Dr Triveni Dutt graced the inaugural function of the Karyashala.

Addressing the inaugural function of the workshop, Dr Dutt expressed his happiness over the topic of workshop. He urged the students to take active part in the workshop and learn from the experienced faculty at the Institute and incorporate these learnings in their research program. An e-Manual containing lectures was also released on the occasion by Dr Dutt in the presence of Dr K.P. Singh JD (CADRAD), Dr S.K. Mendiratta JD (Academic), Dr G Saikumar, In charge PME cell, Dr P Dhar, HD Standardization, Dr P Dandapat, HD B&M, Dr R.K. Agrawal, HD Biological Products and other faculty members.



The workshop is focused on providing hands-on experience to the participants on various molecular and virological techniques. This workshop will cover a wide variety of topics to give exposure on diagnostic techniques starting from conventional and advanced virological techniques such as cell-culture and virus handling, virus purification and quantification, SNT, FAT, ELISA, molecular techniques like PCR, Real-time PCR, PAGE, POCT and cutting-edge techniques such as PSR, CRISPR/CAS system, droplet digital PCR, Flow cytometry, SPR Biosensor, In-vivo Imaging etc. Further, each technical session is designed to have an

introductory part so that students are able to comprehend the basic principles of the technique followed by hands on exposure to the procedure. Apart from Biological products, faculty from biological standardization, bacteriology, biotechnology, biochemistry, Pathology, Physiology, Immunology, Veterinary public health, epidemiology and Joint Directorate of CADRAD have also been involved in this training program. Four faculty members from outside IVRI will deliver the lectures in online mode. The workshop is being coordinated by Dr K.K. Rajak, Dr Ajay Kumar Yadav, Dr Mukesh Bhatt, Dr Vikramaditya Upmanyu, Dr Bablu Kumar and Dr R. K. Agrawal.

