School on Synchrotron Radiation and its Applications

-A Tribute to Prof. B.A. Dasanacharya

(August 4-7, 2026)

Organized by

UGC-DAE Consortium for Scientific Research, Indore

and

Raja Ramanna Centre for Advanced Technology (RRCAT), Indore

About the School

The school aims to provide a general overview of the characteristics and potential of Indus synchrotron radiation. An introduction to design, operation and research opportunities offered at the Indus synchrotron sources, their applications in Physics, Materials Science, Chemistry, and Biology will be illustrated. In this school, some of the widely used experimental methods, e.g., crystallography and spectroscopic techniques will be discussed in detail by prominent scientists with long standing experience on the use of synchrotron radiation and data analysis. A visit to Indus synchrotron beamlines at RRCAT is also planned.

Who can attend

This school is open to research scholars and faculty from Universities, Institutes and colleges who wish to use Indus synchrotron source for their research purpose.

Seats are limited, therefore, the selection will be made based on the application and the relevance of synchrotron source for their research activities.

Accommodation will be provided to participants from outside Indore. Limited travel support may be available as per the rule of UGC-DAE CSR, Indore. There is no registration fee.

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About UGC-DAE CSR

The UGC-DAE Consortium for Scientific Research (UGC-DAE CSR), an Inter-University Centre established by the University Grants Commission (UGC), is primarily mandated to support the research endeavors of researchers from the universities and institutions of higher learning using the DAE's large-scale facilities and the Consortium's in-house facilities. The consortium manages the flagship program, the Collaborative Research Scheme (CRS), which allows university and college faculty to utilize the in-house and DAE mega science facilities.

About RRCAT

Raja Ramanna Centre for Advanced Technology is a unit of Department of Atomic Energy, Government of India, which houses two synchrotron radiation sources: Indus-1 and Indus-2, serving as a national facility. Indus-1 is a 450 MeV, 100 mA electron storage ring emitting radiation from mid-IR to soft x-ray with a critical wavelength of ~61 Å. Indus-2 is a 2.5 GeV electron storage ring designed for the production of x-rays. Synchrotron radiation emitted from its bending magnets has broad spectrum covering soft and hard x-ray regions with a critical wavelength of ~2 Å. The Centre has also developed free electron lasers (FEL) in terahertz (THz) and infra-red (IR) spectral region.

How to Apply?

Please visit the link for registration https://ssra.csr.res.in/Registration.
Interested researchers should apply online **on or before 15th June 2026.**
Selected participants will be communicated by 25th June 2026.

Kindly visit : www.ssra.csr.res.in for updates. For query, write to: info@ssra.csr.res.in