

Joint Ph.D. program



announced by
UGC-DAE Consortium for Scientific Research (CSR), Indore
Jointly with
Raja Ramanna Centre for Advanced Technology (RRCAT), Indore
Variable Energy Cyclotron Centre (VECC), Kolkata and
Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam



UGC-DAE CSR, along with RRCAT Indore, VECC Kolkata and IGCAR Kalpakkam have jointly launched a Ph.D. program that will support Ph.D. students to develop research career in a competitive, interdisciplinary, and highly collaborative environment.



UGC-DAE CSR



RRCAT, Indore



VECC Kolkata



IGCAR Kalpakkam

About the joint Ph.D. program

UGC-DAE Consortium for Scientific Research (CSR) is launching a Ph.D. program jointly with different centres of the Department of Atomic Energy (DAE) to promote research in frontline areas of science & technology by utilizing high-end in-house and mega research DAE facilities

The broad scope of the study in the Joint Ph.D. program scheme between different centres:-

❖ UGC-DAE CSR Indore Centre & RRCAT, Indore

- Carrier dynamics in functional materials using transient spectroscopy
- Intricacies of local and average structures behind high piezoresponse in Bi-based perovskite oxides
- Low energy ion beam-induced nanostructuring in layered magnetic materials
- Soft x-ray absorption and reflectivity studies of thin films of low Z materials

❖ UGC-DAE CSR Kolkata Centre & VECC, Kolkata

- Physical properties modification in iron-based compounds and alloys using ion-irradiation.
- Exploring fission dynamics of pre-actinides nuclei

❖ UGC-DAE CSR Kalpakkam Node & IGCAR, Kalpakkam

- Ion beam synthesis and characterization with accelerators
- Synthesis and study of materials under extreme pressures

The students selected for UGC-DAE CSR Indore, Kolkata Centres and the Kalpakkam Node will be registered at D.A.V.V. Indore, the University of Calcutta or Jadavpur University, and the University of Madras, respectively. While the UGC-DAE CSR will provide fellowships for the students as per rules, the students can access the research facilities of both establishments.

Who can Apply

M.Sc. degree (2020 or after) in Physics with a minimum of 60% overall marks (55% for reserved and women candidates) and must have either (i) Qualified Joint Entrance Screening Test (JEST-2023 rank within 200) and/or (ii) Valid CSIR-UGC NET and/or (iii) DST-Inspire Fellowship (Ph.D.)

How to Apply

Please visit <https://application.csr.res.in> for Filling Online Application Form.

Registration will start online from 26th April 2023 & Last date for online submission is 15th May 2023.

The exact date & time of interview will be intimated to the respective candidates along with other details. For any queries kindly mail to Academic Committee Chairman, Indore Centre (vrreddy@csr.res.in) and/or office of the Centre Director, Indore Centre (cd.indore@csr.res.in). For technical queries about the portal, kindly mail to mkr@csr.res.in.

[UGC-DAE Consortium
for Scientific Research](https://application.csr.res.in)



RRCAT, Indore



VECC Kolkata



IGCAR Kalpakkam