

Indian Institute of Technology Indore
Khandwa Road, Simrol, Indore 453 552

Dated: 17.02.2021

Advertisement for Project Associate position under DBT sponsored project

IIT Indore invites applications from highly motivated, sincere, hardworking and research-oriented, entrepreneurial spirited candidates for the position of Project Associate in a Department of Biotechnology sponsored project “**Development of disinfection systems for the prevention and spread of CoVID-19 through indoor air**”. Candidates are strongly advised to visit the profile of **Prof. Ganti S. Murthy** (<https://gantimurthy.wixsite.com/stlab>) and **Prof. Avinash Sonawane** (<https://asonawane.wixsite.com/iitibsbe>) before applying against this advertisement.

Project Details: The CoVID-19 pandemic caused by the novel Coronavirus is wreaking havoc on the healthcare and economic systems around the world. The CoVID-19 virus is highly infectious and can spread through aerosols. In this project we will develop a technology platform that can be used to disinfect the air in hospitals, quarantine centers and any high-density population areas. The proposed technology is modular, easily scalable, and will be useful for mitigating other CoVID-19 like airborne pandemic diseases in the future. The platform consists of a novel UV-C based disinfection system that can be deployed as a standalone system in living spaces or integrated into the existing HVAC systems as an add on module. The key innovations significantly increase the effectiveness of the system and contribute to effective disinfection with a smaller footprint and reduced costs compared to other existing systems. The standalone systems developed in this project can be deployed in any public location where there are chances of asymptomatic super-spreaders of CoVID-19. Additionally, these technologies can also be useful in limiting the airborne infections in the post-CoVID-19 world. The project will involve fabrication and testing of the prototype devices in a controlled environment. Depending on the success of the concept during the project, there is a possibility of setting up a start-up company at the end of this project.

Stipend and Duration: The amount of salary will be Rs. 31,000 month + HRA for the duration of the project.

Educational Qualifications: M.Tech/M.Sc. degree in Biotechnology, Microbiology, Life Sciences/or in equivalent degree with first division as defined by the awarding Institute/University. Students with M.Tech will be given preference.

How to Apply: Interested candidates are requested to send a detailed CV to **Prof. Ganti S. Murthy** (Ganti.murthy@iiti.ac.in) with subject line “Application for JRF position for DBT project” latest by **March 10, 2020**. Applications will be accepted until the position is filled. Complete information of year of passing, experience, marks, etc. should be mentioned in the CV. Incomplete applications will be rejected.

Only shortlisted candidates will be called for interview. Selected candidates will be intimated by email.

No TA/DA will be paid for appearing in the interview.

Note: The institute reserved the right to fill or not to fill the post advertised.