



## DEPARTMENT OF APPLIED SCIENCES INDIAN INSTITUTE OF INFORMATION TECHNOLOGY ALLAHABAD

### PHD ADMISSION FOR JULY-DECEMBER SESSION 2022

Applications are invited from highly motivated students willing to pursue PhD in Bioinformatics, Biomedical Engineering, Mathematics and Physics. Applications from working professionals are also welcome.

Details of application procedure and eligibility criteria are available at :

<https://iiita.ac.in/downloads/announcements/uploads/Advertisement%20for%20PhD%20Admission%202021042022258.pdf>

For details on faculty profile and Department of Applied Sciences visit:

<https://as.iiita.ac.in/index.php/faculty/>

LAST DATE OF APPLICATION: **May 04, 2022**

LIST OF SHORTLISTED CANDIDATES WILL BE PUBLISHED ON INSTITUTE WEBSITE: **May 15, 2022**

ADMISSION TEST & INTERVIEW: **June 9 and 10, 2022**

FOR ANY QUERIES CONTACT: [rds@iiita.ac.in](mailto:rds@iiita.ac.in), [hod.as@iiita.ac.in](mailto:hod.as@iiita.ac.in)

## RESEARCH TOPICS

### Bioinformatics

- Computational structural proteomics using AIML
- Computer aided drug designing
- Molecular biology & Biochemistry
- Sequencing technologies & System biology
- Biological database management system
- High performance computing
- String processing & Genome informatics

### Mathematics & Statistics

- Fractal Geometry & Approximation theory
- Statistical inference & Survival analysis



### Biomedical Engineering

- Medical instrumentation
- Medical data capturing systems & data processing
- Bio-MEMs & Microfluidics
- Nanobiotechnology
- Stem Cell engineering

### Physics

- Experimental & theoretical condensed matter physics
- Photonics & Spectroscopy
- Renewable energy sources
- Spintronics & Metamaterials
- Condensation phenomenon specific to space application
- Functional nanomaterials