



**UNIVERSITÄT  
HEIDELBERG**  
ZUKUNFT  
SEIT 1386

# Master Visiting Fellowship in Big Data Research

**+** Heidelberg University  
Germany Allahabad University

## Call for Applications

### OVERVIEW

Applications are invited from 3rd semester master students at Allahabad University in the fields of mathematics, informatics, bioinformatics, physics, medicine, life sciences, economics and related areas for pursuing an internship at Heidelberg University, Germany in Big Data Research.

The selected students will spend a research period (up to three months) in their final master's year at Heidelberg University. Upon successful joint evaluation (by Heidelberg and Indian institution) and after obtaining their Master's degree from the Indian institution, selected students will enter the bilateral Joint PhD program from Heidelberg University and Indian institution under the DBT-Heidelberg Joint Graduate Program in Big Data Research. In the program running with six Indian institutions, scholarships are available, covering international flight, local hospitality, consumables at the laboratories and supervision.

The goal of the program is to train students in managing, processing, analyzing and evaluating different text, image, video and sensor data types from specific sources, such as human genome sequencing, high content bioimages, various scanner data, historical mass data and global economic data.

### KEY BENEFITS

- Joint scientific supervision by senior scientists at the partnering institutions in Heidelberg and India
- Upon successful evaluation of the master practical, a possible joint doctoral degree from both partnering institutions in Heidelberg and India
- Full access to facilities and resources at both partnering institutions
- Residence, work and study at a foreign internationally leading research institution
- Establishment of an international career network
- Attractive training programs at the graduate schools in Heidelberg and India

## ELIGIBILITY

- Master students in 3rd semester graduating at the participating Indian institutions in the fields of mathematics, informatics, bioinformatics, physics, medicine, life sciences and related areas
- Candidates having secured at least 65 % marks (or CGPA equivalent) in aggregate by the end of the 2nd semester (first year) of M.Sc./M.Tech. course are eligible
- for application Proficiency in at least one programming language, mathematics and prior exposure to informatics
- Only Indian citizens pursuing master degree in academic session 2017–18 (July – December – in 3rd semester) are eligible to apply
- Fellowships will be offered based on competitive selection

## SELECTION PROCEDURE

All applications, duly submitted with complete documents by the applicant, will be evaluated for the selection on the basis of

- Academic merit
- Letter of interest & motivation
- Host institution & faculty
- First screening by participating institution (short list of six candidates)
- Selection by joint DBT-Heidelberg-India selection committee

The selection for the joint PhD program involves researchers from Indian institutions and Heidelberg University through joint interviews. The criteria include proficiency in theory and methods (mathematics, programming, informatics, 4th semester studies and CGPA score, research capability). To be successful, applicants should clear the above mentioned aspects.

## HOW TO APPLY

Students should apply by email the local coordinator at their institution by submitting their CV, transcripts, letter of motivation and application form. The application submission\*\* will commence on 20th November 2017 and be available until 1st December 2017. The shortlisted candidates for the interview will be notified by 8th December 2017. Incomplete or wrongly filled applications will be rejected. Start of internships: January 2018.

## LOCAL COORDINATOR

Name	<b>Professor Ramendra K. Singh</b> <b>Department of Chemistry, University of Allahabad</b>
Email	<a href="mailto:rksinghsrk@gmail.com">rksinghsrk@gmail.com</a>
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**\*\*Application Form, downloaded from AU website – [www.allduniv.ac.in](http://www.allduniv.ac.in), can be submitted in the Coordinator's office between 1.00 PM to 4.00PM.**

**NB: THE SELECTION PROCESS IS HIGHLY COMPETITIVE**