



**Research Assistant for Physics  
for  
School of Science and Engineering  
Habib University, Karachi, Pakistan**

Habib University is a liberal arts and sciences university offering interdisciplinary education in science, engineering, arts, humanities and social sciences. Committed to providing the highest standards of excellence in higher education and envisioned to be an intellectual nexus for the region, Habib University's inaugural class started in August 2014 with 110 students.

A first-of-its-kind initiative in Pakistan, Habib University offers high quality programs of study in a collaborative learning environment. We are currently offering four undergraduate degree programs in Computer Science, Electrical Engineering, Social Development and Policy, and Communication Studies and Design. Students at Habib University are also enrolled in a Liberal Core alongside their major programs. With highly qualified faculty and a faculty student ratio of 1:12, the University ensures that each student is assisted to pursue a path that is unique to them, and is inspired by their individual passion and enthusiasm.

The School of Science and Engineering at Habib University is inviting applications for the position of a Research Assistant (RA) in Physics. An RA in the Physics laboratory will provide support for the science faculty and their students to ensure that they make the best use of the time they spend in the laboratory.

The RA, under the supervision of the Laboratory Director, is in charge of the laboratory component of the assigned course, and is expected to participate and contribute to academic research at the department. The range of due tasks includes:

- Interacting with the faculty and Teaching Assistants (TAs) of assigned courses to stay up-to-date on the theory component
- Help faculty in conducting laboratory sessions
- Liaising with academic staff to discuss timetables, equipment requirements and work plans
- Prepare manuals for current or future experiments
- Running trials of experiments/lab assignments prior to lab sessions so as to familiarize themselves with the experiment/lab assignment and to uncover any problems with the equipment or laboratory instruction manuals and then demonstrating the necessary techniques to the students in the 'pre-lab' sessions
- Preparing equipment before lessons
- Record keeping, e.g. for students' practical sessions, tracking methods, results, etc.
- Ensuring that equipment is properly cleaned, checked for correct operation, checked for safety and appropriately stored
- Grading lab assignments and providing mid-term and end-of-term grades
- Supporting the work of teachers in class and laboratory sessions and giving technical advice to staff and students
- Working with individual students and supporting them on undergraduate research projects
- Discussing research plans with faculty and students

- Contributing to high-level research in support of academic staff, including drafting papers
- Ensuring that all health and safety procedures are understood and followed correctly
- Explaining emergency procedures to students in situations of chemical burns, electrocution, etc., and how to reach to such events, contacting medical staff or emergency services
- Evacuation procedures in the event of fire – carry out regular evacuation practices
- Security of equipment – prevention of theft or malicious damage
- Emphasizing and maintaining good behavior and personal responsibility
- Coordinating work in the laboratory to ensure efficient use is made of expensive pieces of equipment
- Any other assignment given by faculty

Eligibility:

- At least 16 years of education and specialization in Physics or Engineering with a minimum CGPA of 3.2 or higher;
- Fluent in written and spoken English;
- Previous laboratory experience preferred, research experience will be a bonus;
- Candidates with knowledge of Lab View and Matlab will be preferred.

More information about the School of Science and Engineering can be found at <http://habib.edu.pk/academics/sse/>

Applicants need to submit a cover letter, curriculum vitae, copies of academic documents, and three letters of reference in PDF format to be considered. The application package can be emailed to [shoaib.khan@habib.edu.pk](mailto:shoaib.khan@habib.edu.pk).

**Habib University is an Equal Opportunity Employer**