Call for PhD Programs at Cornell and VinUniversity

The College of Engineering & Computer Science and the Computer Vision & Medical AI Lab at VinUniversity, in partnership with the Health Design Innovations Lab in the Department of Human Centered Design & Systems Engineering at Cornell University, are offering two (02) PhD positions focusing on human-centered healthcare design for innovative and cross disciplinary solutions in low- and middle-income countries. . Together, the Cornell-VinUni Team develops translational solutions combining expertise in design, engineering, psychology, computer science and medicine learning, business, and medicine, in partnership with communities, to improve patient outcomes. Selected candidates will work towards their PhD degrees, which will be granted by either VinUniversity or Cornell University in collaboration with the other institution.

The PhD student would be working on the areas of Technology for Health, and User-Experience Design, with the goal of leveraging interdisciplinary approach, to improve quality of life and optimize care processes via low cost novel solutions, especially for vulnerable populations (e.g. older adults, patients with physical and cognitive illnesses, etc). Examples of ongoing work include common disease screening, AI powered health related applications for pain management, or medication adherence,.etc),

They will be co-advised by faculty from both universities, including Associate Prof. Rana Sagha Zadeh (Cornell) whose work is rooted in human-centered design and health systems ,and Dr. Hieu Pham (VinUniversity) whose work is centered on computer science (AI applications, Machine Learning, Computer Vision, and NLP) in healthcare. PhD

students are expected to co- publish a sufficient number of papers in top peer-reviewed journals and conferences, meeting the standards of world-class universities in collaboration with Vununi and Cornell. Candidates will be interviewed to cover for all tuition fees, living expenses, health insurance, round-trip airfare, and related expenses through the [Vingroup Scholarship Program for Overseas Study for Master's and Doctoral](#).

Qualifications

● This project is open to Vietnamese students with a Bachelor's or Master's degree in a relevant field (e.g., computer science, electrical engineering, or a related discipline). Ideal candidates will have a strong academic record, with GPA of 3.5 or higher. VinUniversity students are highly encouraged to apply.

● Applicants must meet admission requirements by [Cornell Systems Ph.D. Admission](#). Visit the [Cornell University Graduate School](#) for admissions requirements, the online application, and more information about graduate study at Cornell University.

Application process

Please send your cover letter, CV, highlight most important publications, and name of references to both Prof. Rana Sagha Zadeh (rzadeh@cornell.edu) and Dr. Hieu Pham (hieu.ph@vinuni.edu.vn); Qualified candidates will be contacted for an interview.

Deadline: January 15, 2025.

Cornell University's Health Design Innovations Lab (https://www.hdil.human.cornell.edu/)
The Computer Vision and Medical AI Lab at VinUniversity (CVMAIL) (https://cvlab.vinuni.edu.vn/)