

ASIAN SMART CITIES RESEARCH AND INNOVATION NETWORK (ASCRIN)

EXPRESSION OF INTEREST FOR JOINT PHD SCHOLARSHIP

Applications are invited from eligible candidates for a Joint PhD Position by BITS Pilani, India and La Trobe University, Australia in the field of security and IoT. This project aims at developing secure biometric authentication systems in IoT environment using deep learning techniques to against potential threats such as privacy invasion and permanent identity loss.

BENEFITS OF THE SCHOLARSHIP

For candidates enrolled in a Joint PhD between La Trobe University and BITS Pilani:

- BITS Pilani PhD fellowship: INR 31,000 – 33,000 pm.
- A stipend of AUD \$28,597 p.a. (2021 rate) for up to one year during residency at a La Trobe University campus
- A La Trobe University Full-Fee Research Scholarship, covering tuition fee relief for up to four years at La Trobe University
- Return economy airfare between Delhi and Melbourne

ASCRIN PROJECT DETAIL

Project title: Security of biometric authentication in the IoT

Project Team: Supervisors –Dr. Ashutosh Bhatia (BITS Pilani) and Dr. Song Wang (La Trobe)

Duration: 4 to 5 years (with one year at La Trobe and remaining period at BITS Pilani, Pilani Campus)

Minimum and desirable qualifications needed: M.E/M.Tech in Computer Science (with dissertation/thesis) or equivalent degree with at least 60% or equivalent marks. The candidate is expected to have foundational understanding of network security and deep learning concepts. The GATE qualified candidates will be given preference, however it is not mandatory. Prior research (M.Tech thesis/project) experience and having publications in reputed peer reviewed journals/conferences will give additional advantage. You should be proficient in programming languages like C or Python and other Data Analytics Tools. A project done related to biometric authentication will give additional advantage.

FORM AND HOW TO SUBMIT

Form and the details of the project is available at

<https://drive.google.com/file/d/1rz5SxYsxJzL7NPwmJgemeh1qoHk-mQF-/view?usp=sharing>

Email the completed form to ashutosh.bhatia@pilani.bits-pilani.ac.in. The subject of the email must be: ASCRIN: PhD EOI to be considered. The last date of application is **15th July, 2021**.