



Admission for Indo-Australian Joint PhD Program

BITS Pilani
Hyderabad Campus



**Under Asian Smart Cities Research And Innovation Network (ASCRIN)
- an Initiative between La Trobe University, Melbourne, Australia, and
Birla Institute of Technology and Science (BITS) Pilani**

Applications are invited for ASCRIN joint PhD program of BITS Pilani & La Trobe University

Project Title: Biomarker-based Monitoring of Biomethanation for Enhanced Process Control and Product Yield

Project Description: This project aims to monitor biomethanation through biomarker-based techniques to enable real-time insights into microbial community dynamics and metabolic activities. Moving beyond conventional kinetic models, the study will employ advanced tools like fluorescent and gas-based reporter systems, high-throughput sequencing, and substrate-specific labeling.

No. of Positions: One

Essential Qualification: M.Tech/ M.E/ M.Sc in Biotechnology/ Biochemistry/ Microbiology/ Molecular Biology/ Life Sciences/ Environmental Biotechnology/ Environmental Science from a recognized university, with $\geq 60\%$ aggregate marks or equivalent CGPA.

Desirable Qualification: Specialization and work experience in anaerobic digestion/ biomethanation/ microbiology/ biochemistry/ molecular biology.

Fellowship: @ BITS Pilani, Hyderabad Campus: INR 37,000 - 42,000 + 24% HRA per month.

@ La Trobe University: Stipend at the rate of AUD 35000/year, One-time travel support of AUD 2000, Visa-length Overseas Student Health Cover (OSHC)

How to Apply: Interested candidates can please apply with (i) cover letter, (ii) detailed resume with mobile number, email ID, postal address and contact details of two references as a single PDF via email to sangan@hyderabad.bits-pilani.ac.in with the subject line "**Application for ASCRIN PhD Position**". Short-listed candidates will be interviewed in the first week of August 2025.



Application Deadline: 03.08.2025

Project Investigators/ PhD Supervisors



Prof. P. Sankar Ganesh
BITS Pilani, Hyderabad Campus



Prof. Ashley Franks
La Trobe, Australia



A/Prof. Steve Petrovski
La Trobe, Australia