

JOINT PH.D. SCHOLARSHIP – BITS PILANI AND RMIT UNIVERSITY, AUSTRALIA

Applications are invited for a fully funded Ph.D. position in **Civil and Transportation Engineering** with a focus on the application of **Artificial Intelligence (AI), Machine Learning (ML), Computer Science and Engineering**, and/or **Data Science**. This position is offered under the prestigious **Joint Ph.D. Programme** between **BITS Pilani, India** and **RMIT University, Australia**. The selected candidate will work under the supervision of **Prof. Ajit Pratap Singh** (BITS Pilani, Pilani Campus) and **Prof. Sara Moridpour** (RMIT University), benefiting from the combined expertise of both institutions.

Project ID	BITS025F001520
Project title	Resilient and Sustainable Urban Transport Infrastructure: A Data-Driven Approach for Vulnerable Road User Safety
No of positions	1
Eligibility	<ul style="list-style-type: none"> • Master's Degree (ME/MTech) in Civil Engineering, Transportation Engineering, Infrastructure Engineering and Management or related fields*. • Minimum aggregate percentage of 80% or equivalent in qualifying degree. <p>OR</p> <ul style="list-style-type: none"> • A Bachelor's degree (B.Tech/B.E.) in Civil Engineering, Transportation Engineering, or related fields with a minimum aggregate of 80% or equivalent*. • The Bachelor's degree should include a research component comprised of a thesis, other research projects or research methodology subjects that constitute at least 25% of a full time (or part time equivalent) academic year. • The applicant must have achieved at least a distinction average in the final year.
Desirable Qualifications	<ul style="list-style-type: none"> • Experience in areas such as Artificial Intelligence/Deep Learning/Machine Learning/Information & Knowledge Extraction/Computer Science and Engineering/Computer Engineering, Data Science/Data Mining, and/or Data Engineering. • Preferred Skills and Experience: Candidates with advanced knowledge of mathematics, AI, data analytics, and machine learning, along with strong programming skills in Python and MATLAB, may be given preference.
Additional Requirements	<ul style="list-style-type: none"> • Valid GATE score OR a high score in UGC-NET, CSIR, ICAR, ICMR, or DST-INSPIRE. • Candidates without a valid GATE/UGC-NET/CSIR/ICAR/ICMR/DST-INSPIRE score may also be considered if: <ul style="list-style-type: none"> ❖ They have taken GATE in the last five years, AND/OR ❖ They have at least two years of relevant professional work experience. ❖ They meet all other eligibility requirements.
Highlights	<ul style="list-style-type: none"> • BITS Pilani Ph.D. fellowship: INR 45,800 per month. • Receive a full RMIT tuition fee scholarship for the duration of your enrolment • Benefit from the world – class research facilities in India and Melbourne • Travel to Australia for up to one year of candidature and be supported by an Australian stipend for the duration of your time in Melbourne • The selected candidate will contribute to cutting-edge research on deriving Resilient and Sustainable Urban Transport Infrastructure solutions tailored for arid and semi-arid regions.
Fellowship	INR 45,800 per month
Application deadline	April 3, 2025 for the August 2025 intake
Project details	https://bitsrmit.edu.in/publicResources/ResearchProjectDetail?ProjectId=539
Application link	https://bitsrmit.edu.in/publicResources/Requirements?ProjectId=539

For any queries and questions, please contact, **Prof. Ajit Pratap Singh**: aps@pilani.bits-pilani.ac.in; **Prof. Sara Moridpour**: sara.moridpour@rmit.edu.au

To register and apply visit: <https://bitsrmit.edu.in/publicResources/ResearchProjects>

For more information on fees and scholarships, visit:

<https://bitsrmit.in/study-with-us/bits-rmit-phd-program/program-duration-and-fees/>

For more information about the supervisors, please visit their personal websites:

Prof. Ajit Pratap Singh (BITS Pilani, Pilani): <https://www.bits-pilani.ac.in/pilani/ajit-pratap-singh/>

Prof. Sara Moridpour (RMIT University): <https://www.rmit.edu.au/profiles/m/sara-moridpour>