

Fully Funded PhD Scholarship in the Area of Data Stream Analytics

The School of Engineering, Computer and Mathematical Sciences,

OVERVIEW

Stream Analytics is an emerging area of research in Big Data that processes and analyses ingested events in real-time by comparing or combining multiple streams with historical data and models. Such analysis includes detection of abnormalities in data, transforming or enriching of incoming stream data, and displaying of this real-time data in dashboard.

A fully funded PhD position is available under the Data Science Research Group (DSRG) at the Auckland University of Technology (AUT), Auckland, New Zealand. The DSRG is conducting research in the areas of Large-Scale Data Management (LSDM), Data Mining with an emphasis on stream mining, Statistical Machine Learning (SML), and Information Visualization (IV). The research goal is to develop new frameworks and algorithms that process and analyse large volume of stream data and predict useful trends. This project will investigate the area of stream mining and analytics by focusing on topics of **frequent item set mining** with respect to master/historical data.

ELIGIBILITY CRITERIA

The requirements for this position are as following:

- The candidate should have completed his/her research-based Master in Computer Science or related discipline from well-reputed university with high grades.
- The candidate should have proven background in Databases, Data Mining, and Big Data.
- The candidate must be competent in programming e.g. Java, Python, and MySQL databases.
- The candidate should have strong skills in academic research writing.
- Knowledge of stream processing and analytics is a plus point.
- A record of good publications is a plus point.
- The selected candidate will be expected to publish in top ranking journals and conferences.

SCHOLARSHIP

- The scholarship is for both national and international full time students.
- The scholarship is for three years covering the tuition fees and the annual stipend of NZD 25,000.

APPLICATION PROCESS

Interested candidates should email their CV, copy of their Master transcript and thesis, and PhD proposal to Dr. Muhammad Asif Naeem at mnaeem@aut.ac.nz.