

PolyU Technology and Consultancy Company Limited (PTeC) is the wholly owned strategic professional service arm of The Hong Kong Polytechnic University (PolyU). We facilitate knowledge transfer of PolyU's academic expertise to external organizations and the wider community through consultancy, contract research, professional development programmes and licensing of PolyU's intellectual properties, to drive change and make a direct impact on society.

Post Specification

Research Assistant

[Appointment period: 6 months initially, with possibility of further appointment]

Duties

The appointee will assist the project leader from the Department of Logistics and Maritime Studies, PolyU in the consultancy project "Consultancy Study for the Provision of Services for Sheltered Anchorage Layout Plans and Effective Area Assessment". He/she will be required to:

- a) Calculation and analysis of the effective sheltered water area of the 18 anchorages in Hong Kong.
- b) Assisting the research team in conducting literature searches and acquiring relevant data.
- c) Assisting in organizing project-related reviews and academic papers.
- d) Perform other relevant duties as assigned by the project leader or his delegates.

Qualifications

Applicants should:

- a) Hold a degree in maritime and transportation-related fields such as marine traffic analysis, port and shipping engineering, or transportation planning.
- b) Possess experience in AIS data processing and analysis, as well as tasks related to traffic object detection, tracking, and identification. Candidates with research experience in multi-source sensing data fusion (e.g., AIS/video) will be given preference.
- c) Have experience publishing academic papers and a strong proficiency in machine learning algorithms.
- d) Be able to work independently.

Preference will be given to those with the ability to construct deep learning prediction models, conducting empirical regional analyses.

Remuneration

A competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

Application

Applicants are invited to send their CV and covering letter to human.resources@polyu.edu.hk for review and consideration by the Project Leader. Recruitment will continue until the positions are filled. Details of PTeC's Personal Information Collection Statement for recruitment can be found [here](#).

[18/11 2025]