

## Drone Delivery Systems for Logistics Operations American University of Sharjah

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Downloaded On: Jun. 30, 2024 8:20am

Posted Jun. 25, 2024, set to expire Oct. 25, 2024

<b>Job Title</b>	Drone Delivery Systems for Logistics Operations
<b>Department</b>	Industrial Engineering Department <a href="https://www.aus.edu/cen/department-of-industrial-engineering">https://www.aus.edu/cen/department-of-industrial-engineering</a>
<b>Institution</b>	American University of Sharjah Sharjah, , United Arab Emirates
<b>Date Posted</b>	Jun. 25, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Industrial & Systems Engineering
<b>Apply By Email</b>	<a href="mailto:mndiaye@aus.edu">mndiaye@aus.edu</a>
<b>Job Description</b>	

Over the last decade, the logistics industry has seen significant growth as well as a fair share of technological disruption. Consumer demand for instant delivery has surged, particularly in urban areas, and businesses have started to struggle to meet it without incurring significant last-mile delivery (LMD) costs. Drone technology advancements have opened the way for a variety of logistics applications. However, constraints such as battery capacity, maximum take-off weight, range limits, and most importantly legal laws have limited drones' effective operational range in many practical applications.

This research aims to develop a sustainable operational framework from the critical aspects of drone operations

### Person specification:

- Ph.D. degree in Industrial Engineering, Operations Research, Computer Science or an equivalent

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- combination of education and experience;
- Proven competence in developing Heuristics and Metaheuristics Solutions (for Vehicle Routing Problems preferred);
  - Proven competence in developing machine learning algorithms for data analysis
  - Demonstrated proficiency in writing technical research papers;
  - Ability to work independently.

Application submission details:

The position has a competitive salary. Interested candidates should email the following information, as a single pdf, to [mndiaye@aus.edu](mailto:mndiaye@aus.edu) :

- CV, including a summary of educational background and grades.
- Names and email addresses of at least 3 references.

### Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Prof. Malick M. Ndiaye  
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