

1 Unmanned Aircraft Systems (UAS): Aviation for Next Generation



UNMANNED AIRCRAFT SYSTEMS (UAS): THE AVIATION FOR NEXT GENERATION

Remote technologies have blossomed in the last few years, generating numerous ideas as to what can be done with drones, and providing incredible opportunities for technology developers, entrepreneurs, scientists, and police and fire fighters, among others.

The economic benefits of Unmanned Aircraft Systems (UAS) notwithstanding, they pose safety concerns for regulators the world over, whether deployed for recreational or other purposes.

The civil aviation authority is responsible for, inter alia, ensuring aviation safety and protecting the public from aviation hazards. Operators of aircraft, both manned and unmanned, are required to operate safely. The rapid rise of UAS raises new challenges that were not considered in historic aviation regulatory frameworks. Before devising any regulatory framework for UAS operations, the regulator should understand and assess the UAS situation in the State in which it operates.

In this stream, students will gain a more detailed understanding of the opportunities and challenges in this fast growing unmanned aviation industry.