

Human Factors in Aviation Safety

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Abstract:

This is to examine the main the duties and roles of human factors in aviation safety. To identify the errors , incidents, accidents and fatigues that occurs in daily operations that are done in airport. The study adopts a descriptive research methodology based on the reviews of previous research studies, aviation safety reports and documented aviation accident and incident cases. The study finds that fatigue, workload, stress, poor communication, ineffective decision-making, pressure, and inadequate crew coordination are significant contributors to aviation safety risks. The study highlights that effective aviation safety, improve crew performance, to reduce operational errors, and minimize the accidents and incidents. The findings can support aviation organizations in developing better training, communication, and safety-management practices in day – to – day operations in the airport.

Keywords:

Airport operations, Aviation safety, Human Factors, Fatigue, Safety Culture.