Center	Interdisciplinary Research Center for Aviation & Space Exploration
Job Title	Post-Doctoral Fellow
Job Description	The Aerospace Research Center has vacancies for Post-Doctoral Fellowship candidates with good experience and in-depth knowledge in any of the following areas: • Astrodynamics/Orbital Mechanics (for small satellites in LEO) • Propulsion (Aero and Space Propulsion, Clean Propulsion, Net Zero tech) • Aero-Vehicle Design and Optimization (including Data science applications) • Aerospace Materials (Composites, Metallics, Smart Materials for Aerospace Applications) • Aerospace Intelligence for Unmanned vehicle Control, Navigation and Performance Optimization • Data Science Applications for Earth Observation data • Applications for Robotic Manipulators and Systems Engineering for Space Rovers/Landers Preference will be given to those with demonstrated (hands-on) skills in projects related to above topics
Job Responsibility	• Be capable of preparing research proposals (both fundamental and industrial client proposals) in accordance with the research group's needs. • Be capable of upgrading and revising the individual work. • Be able to contribute to the ongoing research. • Participate in the development of courses and short courses. • Be able to produce research, publish findings and advise graduate students • Provide service to the Center, the University, and the profession. • Be involved in thematic research within one or more of the university research priority areas.
Qualification	1. Ph.D. in Engineering or Science relevant to the Center needs; Aerospace Engineering, Mechanical Engineering, Computer Engineering/Science, Robotics Engineering, Materials Engineering/Science, Energy Engineering, Structural Engineering, and, Applied/Computational Mathematics, Physics/Chemistry, Chemical Engineering, Electrical Engineering, Control/Systems Engineering. 2. Applicants must possess excellent English communication skills. 3. Good experience in designing and modelling software relevant to their field. 4. Good experimental and hardware experience.