

Space Sciences, Technologies and Applications at Cairo University

Mohammed Khalil Ibrahim

Associate Professor

Aerospace Engineering Department, Faculty of Engineering, Cairo University,
Giza 12613, Egypt

Since 1816 until today, the Faculty of Engineering at Cairo University has witnessed many developments in both the educational and the research activities of the faculty by initiating new departments, enhancing the infrastructure and developing strong links with industry and society. Aeronautical Engineering studies were set up in the fourth year of the Mechanical Engineering Department starting from the academic year 1938/1939. After the Egyptian revolution, Aeronautical Engineering studies were developed into a separate scientific department in the years 1953/1954 and began to offer a Bachelor degree in Aeronautical Engineering. With its present expanded program, the department began to receive students in the first year, and was finally renamed as “Aerospace Engineering Department” in late 1990 to support the Egyptian needs for sciences and technology for space sciences. The Aerospace Engineering Department has both undergraduate and postgraduate programs in space science. The department develops the manpower capable of fulfilling the engineering responsibilities associated aeronautics, space science and their technologies. Recently, there have been many efforts done toward acquiring the knowledge in the area of remote sensing using UAV and Nano-satellite. Several UAV models have achieved successful flights. The design of the first Cairo University CubeSat is completed and now it is in the fabrication process.