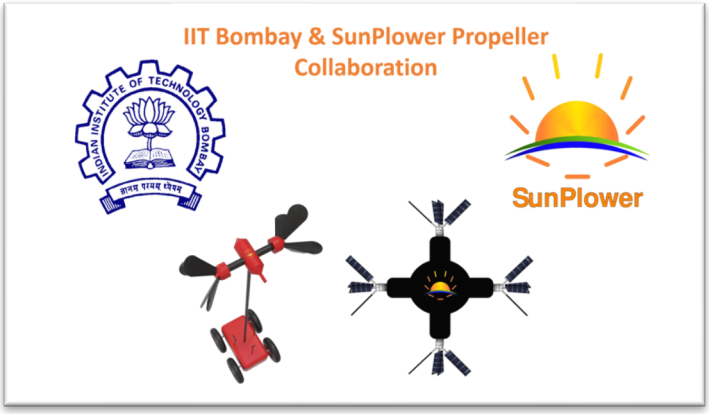
IIT Bombay and SunPlower Propeller (SPP) Collaboration

SunPlower Propeller (SPP) a German based company has signed a collaboration with IIT Bombay (IITB) for developing innovative 2X Drones & 4X Drones for industrial, Agricultural and Military applications.



The cycloid propeller can produce radial thrust in any desired direction (360°). The thrust direction can be controlled by varying the orientation of blades. Based in the proof-of-concept results both the organisations have decided to co-develop the commercial applications. This unique cone shaped cycloid propeller has large number of practical applications due to its ability to produce thrust in any direction.

SPP and IITB will together develop practical and possible use of cycloid propeller as an integrated vehicle for various applications.

IITB would work on designing and testing of the above-mentioned drones using cycloid propellers for specific applications.

This innovative wheel-based propulsion is a patented technology which can be used for both power generation and thrust generation in air & water.

Collaboration team:

SunPlower Propeller: Siva Chennupati & Sridhar Thatikonda,

IIT-Bombay: Prof: Nagendra Kumar, Prof: T Chandra Sekar, Prof: Shashi Ranjan Kumar from Dept of Aerospace Engineering & Prof. Milind D. Atrey - Dean R&D IITB.