



## **FACULTY OF ENGINEERING MECHANICAL ENGINEERING DEPARTMENT**

### **“RC Aircraft workshop conducted by Aerotrix, Skyfilabs”**

The following report contains the details of the "RC Aircraft workshop conducted by Aerotrix „Skylabs" held for Btech students of the Christ University.

**Date:** 1<sup>st</sup> september,2016 and 6<sup>th</sup> september,2016

**Venue:** Theory session in room no.206 second block and hands on session on fourth floor, fifth block and flight testing on main ground.

**Faculty incharge:** Prof. Niranjana S

#### **Overview of the event:**

The event was broadly divided into Three sessions:

- **Session 1:**

Session one of the event was broadly a theory session which was taken up by a trained professional of the Aerotrix, Skyfilabs.

This session covered the topics related to the flight dynamics which included the flight stability, angle of attack, shape of the wings(aerofoil),design and the parameters required for designing aircraft.



A total of 11 teams attended both the sessions which had a quite tremendous response and we received an astounding feedback from all the participants for the whole workshop.



- **Session 2:**

Session Two of the event included the hands on experience on building up their own RC Aircraft from the materials like hard thermacoal, plastic sheets.



The session was overlooked by two trained professionals from the same organisation and the planes were designed and build up by the students in a team of five members. Total number of teams participated were 11.

This session was a hands on session and thus students enjoyed it a lot and came up with some new designs and suggestions to the building up of the aircraft.

The final model of the aircrafts which were build up by the teams were equipped with the electrical components and were tested for the next session.

- **Session 3:**



This session included the flight test of the designed and build up aircrafts.

