

## AeSI Event - 04

### “F1 - D” Class Aeromodelling Workshop at MMCOE, Pune

October 13, 2019

*This event is an initiative taken by our AeSI Executive Member, Shri. LK Gite*

#### Event:

This event was organized in continuation with the inauguration of the aeromodelling club “ALERIOS” at *Marathwada Mitra Mandal College of Engineering (MMCOE)*, Pune. This workshop was conducted by *MMCOE together with AeSI, Pune Branch* wherein aero-modelling expert *Shri. Madhav Khare*, trained and guided the students in designing and fabricating *F1 - D class of airplanes*.

Aeromodelling is now widely known to most of the community. However, very few know about the Indoor Flying models and the intricacies involved in this category called Internationally as F1D class. This involves making of highly accurate, ultra-light rubber powered models and trim them to fly for maximum duration. The World Record for this class is a model of 2.5 grams weight which flew for unbelievable 68 minutes. Making of such model needs good understanding of Structures, Power management, Aerodynamics and excellent hand-skills. Hence, this competition serves as an ideal target for Engineering students, who are studying such topics. The activity also needs real patience and keen observation to get maximum duration flights.

Our branch Chairman *Shri. KPS Murthy* found this activity highly suitable for budding Engineers after *Shri. Madhav Khare, former Key Resource person in Aeromodelling and Aerodynamics for NCSTC, Govt. of India*, introduced it to the members. This activity being less expensive than conventional remote-controlled models, provides higher opportunity to the aero-modelers to conduct experimentation and research in this field. AeSI has planned a series of workshops to take this activity to various engineering colleges. The first workshop conducted in MMCOE college was supported by the ALERIOS club of the college. The first batch underwent the training for the first step in this field, making a model under 15 grams of weight and aiming at the flight duration of minimum 60 seconds. A 4-hour workshop was conducted by *Shri. Madhav Khare*, on October 5th and again on October 13<sup>th</sup> at MMCOE, Pune. About 25 students participated and had their hands-on experience in building and flying such F1-D class of aircrafts. AeSI sponsored certificates for all the students who participated in this workshop. Some snaps of this event are attached below:

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**Sample Certificate issued by AeSI, Pune Branch:**

		
<b>AERONAUTICAL SOCIETY OF INDIA</b>		
<b>CERTIFICATE OF PARTICIPATION</b>		
<i>This is to certify that</i>		
<b>Mr / Ms.</b> _____		
actively participated in the <b>Resource Person Training Workshop</b> for furthering the activity of Aeromodelling in F1D category, jointly organized by <b>Aeronautical Society of India (AeSI), Pune Branch</b> and <b>ALERIOS Aeroclub</b> , conducted on _____ by		
<b>Shri. Madhav Khare</b> <small>(Former key Resource Person in Aerodynamics and Aeromodelling, NCSTC (DST), Govt. of India)</small>		
<b>Shri. KPS MURTHY</b> Chairman AeSI, Pune Branch	<b>Shri. MADHAV KHARE</b> Chief Mentor ALERIOS Aeroclub	<b>Dr. PS PURANDARE</b> Chief Advisor ALERIOS Aeroclub



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*Anandraj A*

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**Hon. Secretary,**  
**AeSI, Pune**