



AGENDA OF “MEGA INTER COLLEGE AEROMODELLING WORKSHOP”

About us:

SKY RIDER AUTOMOTIVE was established in the month of September, 2011 as “Sky Riders”. The company is firmly into the training and development on *Aerospace engineering* and *Automobile engineering* along with its peripheral subject matter in the name of “*Institute of Aero Design*” and “*Institute of Auto Design*” respectively. Major functionality of the company is doing thorough research to provide quality workshops and training on Aeromodelling, Automobile and CAD, Manufacturing training in different institutions across country and at our centres. We provide the best possible facilities, scope and platform to our students to gain, implement and explore. Best trainers who have won several awards in their respective fields is our major strength. We are working in a partnership with “Gram Tarang Employability Training Service- The pre-eminent player in Skill based education providing sector”, “NSDC- Govt of India”, and “Mini tool room and training centre, A Govt Odisha initiative” to enhance our quality of workshops and trainings.

Our prime Motto: “We challenge for the change”

About our Aeromodelling Workshops: (Under Institute of Aero design)

We are the leading Aeromodelling workshops and training providing companies in terms of quality and cost effectiveness. We provide workshops in different institutions of India and trainings at our centres. Aeromodelling workshops provided by us are of following categories:

1. RC glider
2. RC beginner aircraft (Electric)
3. RC Bi-Plane (Electric)
4. 3D plane (Electric)
5. Swept wing aircraft
6. Delta wing aircraft
7. RC flying wing
8. RC boat
9. Water Rocket
10. Ornithopter (Rubber and Electric)
11. RC kite

Contents of workshop:

1. Theory
2. Fabrication
3. Assembly
4. Simulation
5. Testing
6. Flying training sessions.

Our challenge: “Flying is not easy for a beginner, but every participating Team can fly at the end of our workshop”



About Mega Inter- Aero Workshop:

To educate aero aspirants with best possible knowledge, to bring aero aspirants together to same platform and weave wings to their dream, Sky Rider automotive is hosting largest ever Aeromodelling workshop in this spring (15-17 January 2016). We are providing two categories of workshop for different categories of participants.

1. **Monoplane-** For beginners, who want to climb a first step towards aeromodelling or aerospace engineering, this workshop is a best place to start with. A beginner can master himself in aeromodelling and can start a career in this field.
2. **Bi-plane-** Bi-plane is an acrobatic plane, which has best manoeuvrability. A student who has mastered in the basic of aeromodelling, it's a best platform for him to explore additional skill and knowledge in aeromodelling. It's a challenge, once a participant learns fabrication and flying of a bi-plane will never stop flying the machine for his life time. We will make both the things possible in the same workshop. Though designing bi-plane needs some basic aeromodelling knowledge, we will start theory sessions from Level zero, so that if a participant is new to aeromodelling he can also understand and attend this workshop.

About our Trainers aeromodelling achievements:

1. Winner of **Aeromodelling competition at IIT-Guwahati** in 2012.
2. Winners of **IIT-KGP** in aeromodelling event, laws of motion in 2013.
3. **3rd prize winners in Boeing national aeromodelling event conducted at IIT-KGP** in 2014.
4. Winners of **1st prize in aeromodelling event at IIST (ISRO)** in 2014.
5. Our trainers were one of the participants among 12 teams across India in **National level Boeing aeromodelling** challenge conducted in **IIT-DELHI** in 2014.
6. In addition to that, the team was adjudged **Best Trainer of Aeromodelling award** from several Universities after successful workshops.
7. It's needless to say a participant will get full exposure to Aeromodelling and Aerospace Engineering from pioneers of the field.

Benefits by attending workshop:

Aeromodelling is a primary step towards aerospace engineering. It includes design and fabrication of a prototype model, which gives a clear idea about a real type aircraft. All the theories and calculations that are needed in designing a real aircraft are taught by us and used to design and fabricate the aircraft models in the workshop.

- A student can do more **projects in aeromodelling**, which will help them for getting into **research fellowships and abroad studies**.
- Vast scope of **higher education and research** in this field especially in India.



- Will have an excellent opportunity to get jobs in designing.
- Can get participation certificate (**Skill Education Certificate**) from **Gram Tarang, NSDC and Mini tool room Training centre, Govt. Of Odisha** after the workshop, this will help them finding in future.
- Student can utilize his leisure time for productive work.
- Students can represent themselves and their colleges in various **national level and international level competitions**.
- **Sprit of team work** will help student to develop their confidence and will help them in their professional career.
- Can utilize his engineering skills by working in hand and applying them, which will lead them to be a better Engineer.

Agenda of Workshop:

| Workshop name | Day-1 | Day-2 | Day-3 |
|--|---|---|---|
| Mono plane or fixed wing aircraft OR Bi-Plane | <ol style="list-style-type: none"> 1. Theory 2. Material distribution 3. Dimensional description and measurement | <ol style="list-style-type: none"> 1. Completion of fabrication 2. Electronics selection and fitment training 3. Electronics fitment | <ol style="list-style-type: none"> 1. Simulator flying training 2. Real glider flying training 3. Student made aircraft test flying by trainers and rectification 4. Student flying session |

Venue: Sky Rider Automotive, Gram Tarang campus Jatni Khurdha- 752050,

Registration starts at- 9:00 AM onwards 15th Jan 2015. (Transportation available on prior request)

Partners and Sponsors:



Gram Tarang- India's best Skill development training organisation

www.gramtarang.org.in



Mini Tool Room and Training Centre- Govt, Of Odisha



Part of Skill India- A PMO initiative on Skill development day



NSDC- Certification and Associative partner

Training Partner:

