



# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed-to-be-University under section 3 of UGC Act 1956)  
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF AERONAUTICAL ENGINEERING




Dr. M. Sundararaj M.E., Ph.D  
Head

04/01/2021

Ref No: Cit/Aero/2021/003

## CIRCULAR

This is to intimate the students that Value Added Program titled "Course on Quadcopter Design" is scheduled to be conducted from 11/01/2021. The course will be for a duration of 30 hours and will be conducted during weekends. Further Details can contact the Course Coordinator Mr. S.R.Vimalraj Assistant Professor, Department of Aeronautical Engineering.

  
HoD-Aero

### Copy to:

1. Copy to All school of Engineering
2. Copy to Dean Engineering
3. Copy to Pro-VC
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# Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

Declared as deemed to be university under section 3 of UGC Act 1956. vide notification No 9-52000-U-39

## Department of Aeronautical Engineering

Value Added Course

online Course on Quadcopter Design

### Objective :

This course introduces the designing and sizing process (Simulation/Experimental) for fixed wing UAV technology, integrated with its performance and stability analysis (Static & Dynamic) and prototype testing

Course Co-ordinator: S.R.Vimalraj

### COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	11/01/2021 (FN)	Review of the concepts of Quadcopter Design	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
2	16/01/2021 (FN)	Understanding the static stability of various UAVs.	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
3	16/01/2021 (AN)	Significance of location of Neutral point	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
4	17/01/2021 (FN)	Centre of gravity for a stable flight	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
5	17/01/2021 (AN)	Approach for wing design and airfoil selection with examples	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
6	23/01/2021 (FN)	Tail sizing, control surface sizing and significance of tail volume ratio with examples	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
7	23/01/2021 (AN)	Developing subroutine for design process	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited



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**Department of Aeronautical Engineering**

Value Added Course

online Course on Quadcopter Design

List of students Registered on 11.01.2021

SNO	Reg NO	Name of the Student
1	U15AE004	ARAVINDAN A
2	U15AE008	CHILAKALAPUDI YASHWANTH TEJA
3	U15AE012	DEGALA VINODKUMAR
4	U15AE022	KM JUHI GUPTA
5	U15AE014	EDWIN PRAKASH F
6	U15AE023	KOLA JOHN HANNA JAYASHREE
7	U15AE031	PARASA MAHENDRA
8	U15AE034	PULUSU PARDHU SREE
9	U15AE040	SANGEETHA N
10	U15AE041	SANJAY V
11	U15AE047	VALMIKI MANOJ KUMAR
12	U15AE050	YANAMADHALA AVINASH CHOWDARY
13	U15AE702	MOHD AMIR
14	U15AE062	SANDEEP G M
15	U15AE055	VASU P
16	U15AE053	PALLEKONDU SIRISHA
17	U14AE059	PRAGATHY.D
18	U14AE060	PRATHAP L
19	U14AE067	B.SATHISH KUMAR
20	U14AE068	SATHIYA SEELAN.E
21	U14AE069	SAYAN BHATTACHARJEE
22	U14AE071	SELVAGANAPATHY R
23	U14AE072	SHAIK KHADER SHARIEF
24	U14AE074	SIHANMUGANANDAN.M
25	U14AE076	SIDHAREDDY MANIGANDAN
26	U14AE077	SIMGAVARJULA VEDAVYAS
27	U14EC002	AARTHI.P
28	U14EC010	AMARJEET KUMAR
29	U14EC011	R AMULYA
30	U14EC012	MAHAMKALI VENKATA SAI NANDAANIRUDH.
31	U14EC017	ASARA ANITH RAO
32	U14EC024	CHANDRALEKA.K
33	U14EC025	CHEKURI.VENKATA MAHESH
34	U14EC031	DEEPAK.A
35	U14CS171	SHARSHI KANT PRASAD
36	U14CS186	SURIYA.A.



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# Participant Feedback Form

(On course completion)

Date ...23/01/2021...

Course .....Q. AD. Capten Design.....

Student Name (optional) .....SURIYA A.....

Student ID (optional) .....UJH. CS186.....

### a) Helpful and knowledgeable staff:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

### b) Staff friendliness:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

### c) Ease of registration:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

2. Is there anything we can improve with our registration process?

.....need online registration.....

## B. The Training Facility

3. How satisfied were you with the training facility on the follow

### a) Cleanliness of facility:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

### b) Comfort of training room:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

4. Is there anything we can improve with any of the above?

.....Good.....

# Participant Feedback Form

(On course completion)

Date ...23/01/2021...

Course .....VAP ON CANADIAN Design.....

Student Name (optional) .....V.A.S.U.:P.....

Student ID (optional) .....U. ISAE. 055.....

## a) Helpful and knowledgeable staff:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

## b) Staff friendliness:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

## c) Ease of registration:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

2. Is there anything we can improve with our registration process?

.....Need move Program Co-ordination.....

## B. The Training Facility

3. How satisfied were you with the training facility on the follow

### a) Cleanliness of facility:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

### b) Comfort of training room:

Very satisfied       Satisfied       Somewhat satisfied       Not satisfied

4. Is there anything we can improve with any of the above?

.....Regularly we need this type of Program.....



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Department of Aeronautical Engineering

## Certificate of Participation

This acknowledges that

Aravindan A  
U15AE004

Has undertaken 30 hours course on "**QUADCOPTER DESIGN**" Organized by  
DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 11.01.2021 TO  
23.01.2021.

MR.S.R.VIMAL RAJ, PROGRAM  
COORDINATOR

HOD/AERO