



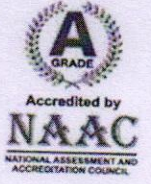
# Bharath

## INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)  
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4<sup>th</sup> July 2002)

**BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF AERONAUTICAL ENGINEERING**

Website : [www.bharathuniv.ac.in](http://www.bharathuniv.ac.in)



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

14/08/2019

F.No.Aero/Events-1.1/Value Added Course/2019

### CIRCULAR

Department of Aeronautical Engineering is organising a Value Added Course on "Rotor and Wake Aerodynamics" to be delivered by the eminent Academic expert and speaker **Mr. Gowtham, IIT Madras (Aerospace Engg.)** on **16/08/2019** for the students of B.Tech (Aeronautical & Aerospace Engineering). All the students are hereby instructed to be available for the said course.

HOD,  
Department of Aeronautical Engineering  
Bharath Institute of Higher Education & Research,  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956),  
Selaiyur, Chennai-600 073. INDIA





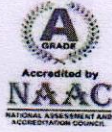
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### Department of Aeronautical Engineering

#### Value Added Course

#### Rotor and Wake Aerodynamics

#### Objective :

To design models which can represent the aerodynamics of different rotor configurations.

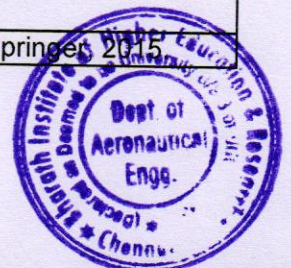
Course Co-ordinator: Mr.N.Kalaimani

#### COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	16/08/2019 (FN)	Momentum theory applied to rotor simulation and design and potential flow models for rotors	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
2	19/08/2019 (FN)	Airfoil aerodynamics	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
3	19/08/2019 (AN)	Unsteady aerodynamics	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
4	20/08/2019 (FN)	Aeroacoustics	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
5	20/08/2019 (AN)	Wake aerodynamic	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
6	21/08/2019 (FN)	Vertex line methods an structures	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
7	21/08/2019 (AN)	Vertical Axis Wind turbines	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
8	22/08/2019 (FN)	Wind farm Aerodynamics	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
9	22/08/2019 (AN)	Rotary wing Aerodynamics	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)
10	23/08/2019 (FN)	Conservation laws of Actuator disk, Vertical and farward flight	3 Hours	Mr. Gowtham, IIT Madras (Aerospace Engg.)

#### BOOKS AND REFERENCES

- |   |  |
|---|--|
| 1 | Chattot, J. J. and Hafez, M. M., "Theoretical and Applied Aerodynamics" Springer, 2015 |
|---|--|



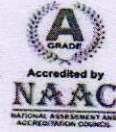








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**Department of Aeronautical Engineering**

**Value Added Course**

**Rotor and Wake Aerodynamics**

**List of students Registered on 16/08/2019**

SNO	Reg NO	Name of the Student
1	U16AE001	SARKAR ABHIJIT
2	U16AE002	MOHAMMED FAHATH M S
3	U16AE003	ANTANIESKEMIN Y
4	U16AE004	KEERTHIVASAN J
5	U16AE005	CHARANKUMAR A
6	U16AE006	VIGNESH T
7	U16AE007	BOYANAPALLE SRINIVAS ANSHU BAB
8	U16AE008	SEELAM DURGA LAKSHMI PRIYANKA
9	U16AE009	LOKESH B
10	U16AE010	KANDULA THRINATH
11	U16AE011	KODAVALURU SAI BHAVANA
12	U16AE012	UJJWAL KUMAR SINGH
13	U16AE013	SARATH KUMAR S
14	U16AE014	PRAKASH GUPTA
15	U16AE015	MOHANISH DHRUW
16	U16AE016	KAVIBHARATHI T
17	U16AE017	HARIHARAN K
18	U16AE018	K S GANESH
19	U16AE019	PUNITHAN A
20	U16AE020	JANARTHANAN K
21	U16AE021	MANDALA HARI
22	U16AE022	VIGNESH A
23	U16AE023	NATARAJAN T M
24	U16AE024	SANTHOSH KUMAR SAHU
25	U16AE025	VAGGALA MAMATHA SRI
26	U16AE026	KESAVARAJU K V
27	U16AE027	GOLLA GOPAL
28	U16AE028	MUHUNTHANI B
29	U16AE029	GUDIPATI SIVAKUMAR
30	U16AE030	MONIKA VEMAGIRI
31	U16AE031	D VINOD RAO
32	U16AE032	ARUN R
33	U16AE033	DEKKA SAI VENKATA SURYA AJAY KUMAR
34	U16AE034	SHAKEEL AKTHAR M



35	U16AE035	ADAPALA ANIL KUMAR
36	U16AE036	GHANTASALA PARASU RAJU
37	U16AE037	K GAMANA
38	U16AE038	GORIPARTHI PRATHYUSHA
39	U16AE039	MULAKA BHAVANA
40	U16AE041	LAKSHMI NARASIMHAN V
41	U16AE042	ADIGARLA BHANU PRASAD
42	U16AE043	SRI HARSHA VARMA MANTHENA
43	U16AE044	GOGULAMANDA VEERA SWAMY RAJIV
44	U16AE045	HURASU VENUH
45	U16AE046	PRABAKARAN P
46	U16AE047	ZAHID AYOOB
47	U16AE048	PASUPULETI PUJITHA
48	U16AE501	AKASH V
49	U16AE502	RIYO PAULDUVIN M
50	U16AE503	RAJAGOPALAN NARAYANAN
51	U16AE504	MOHAMMED ARSHAD SAMEER F
52	U16AE702	GANJI GOWTHAM
53	U16AE703	GADUPUTI BALAJI
54	U16AE704	MEDIDARAJU VIGNENKUMAR RAJU
55	U16AS001	SARATH KUMAR S
56	U16AS002	KESAVARAJU K V
57	U16AS003	GUDIPATI SIVAKUMAR
58	U16AS004	PRITHIVIRAJAN S M
59	U16AS005	PRASANNA PRAKASH J
60	U16AS006	VISHAVAK P S
61	U16AS007	RUMADE SHUBHAM NARAYAN
62	U16AS008	GONDAL PRANAY GOPAL
63	U16AS009	PUNITHAN A
64	U16AS010	ASHLIN KUMAR
65	U16AS501	KURAL ARASU L
66	U16AS502	DONTHA ADITYA
67	U17AE011	MANJUNADH ESHWAR P
68	U17AE012	PEREZHIL MUGUNDAN D
69	U17AE013	CHITTI SAI SRAVAN KUMAR
70	U17AE014	VALLALA MUKESH GOUD
71	U17AE018	SINGAMPALLI HARISH
72	U17AE019	SAMBANTHAM S M S
73	U17AE033	PATAN KARIMULLA BABA
74	U17AE034	SINGULURI BHARADWAJ SATYANARAYANA
75	U17AE045	CHINTALA LAKSHMI NARAYANA
76	U17AE050	POTNURU HARI CHANDANA
77	U17AS016	GUNJA LALITHA MAHESWARI
78	U17AS017	WALTER JESUDOSS DEVARAM S







**Department of Aeronautical Engineering**

# Certificate of Participation

This acknowledges that

**GUDIPATI SIVAKUMAR**  
U16AE029

Has undertaken 30 hours course on "ROTOR AND WAKE AERODYNAMICS" Organized by  
DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 16.08.2019 TO 23.08.2019.

MR. N. KALAIMANI, PROGRAM  
COORDINATOR

HOD/AERO



# Participant Feedback Form

(On course completion)

Date 23/08/2015

Course ROTOR AND WAKE AERODYNAMICS

Student Name (optional) LOKESH R

Student ID (optional) U16A009

**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?

.....

## 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?

.....