



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 4th July 2002)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.



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

17/09/2018

F.No.Aero/Events-1.1/Value Added Course/2018

CIRCULAR

Department of Aeronautical Engineering is organising a Value Added Course on Gas Dynamics to be delivered by the eminent Industry expert and speaker , Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited on **19/09/2018** for the students of B.Tech (Aero & Aerospace Engineering). All the students are hereby instructed to be available for the said course.



HOD-Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,
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

Gas Dynamics

Objective :

This course essentially deals with the very high speed fluid flows, mainly the flows in the regime of supersonic speed. Hence understanding of this flow regime and its characteristic signatures is the objective of this course

Course Co-ordinator: Mr.R.Karthikeyan

COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	19/09/2018(FN)	Basic concepts : Introduction to compressible flow, A brief review of thermodynamics and fluid mechanics, Integral forms of conservation equations,	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
2	19/09/2018(AN)	Differential conservation equations, Continuum Postulates, Acoustic speed and Mach number, Governing equations for compressible flows.	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions
3	22/09/2018(FN)	One-dimensional compressible flow: One dimensional flow concept, Isentropic flows, Stagnation/Total conditions, Characteristics speeds of gas dynamics	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
4	22/09/2018(AN)	Dynamic pressure and pressure coefficients, Normal shock waves, Rankine-Hugonit equations, Rayleigh flow, Fanno flow, Crocco's theorem	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
5	23/09/2018(FN)	Two-dimensional flows: Oblique shock wave and its governing equations, θ -B-M relations, The Hodograph and Shock Polar, Supersonic flow over wedges	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
6	23/09/2018(AN)	Quasi-one dimensional flows: Governing equations, Area-velocity relations, Isentropic flow through variable-area ducts, Convergent-divergent (or De Laval) nozzles, Over-expanded and under-expanded nozzles, Diffusers.	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited



7	29/09/2018 (FN)	Unsteady wave motions: Moving normal shock wa	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
8	29/09/2018 (AN)	Physical features of wave propagation, Elements of	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
9	30/09/2018 (FN)	Piston analogy, Incident and reflected expansion w	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited
10	30/09/2018 (AN)	Introduction to experimental facilities: Subsonic wind tunnels, Supersonic wind tunnels, Shock tunnels, Free-piston shock tunnel, Detonation-driven shock tunnels, and Expansion tubes	3 Hours	Ms.Kavya, Managing Director, Big Bang Boom Solutions private limited

BOOKS AND REFERENCES

1	John D. Anderson Jr (1990), Modern Compressible Flow with Historical
2	Liepmann HW and Roshko A (1957), Elements of Gas Dynamics, John
3	Shapiro A (1954) The Dynamics and Thermodynamics of Compressible Flow, Ronald Press,





Shriharath

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Department of Aeronautical Engineering

Certificate of Participation

This acknowledges that

PEREZHIL MUGUNDAN D
U17AE012

Has undertaken 30 hours course on "GAS DYNAMICS" Organized by DEPARTMENT
OF AERONAUTICAL ENGINEERING, BIHER FROM 19.09.2018 TO 30.09.2018.

R.KARTHIKEYAN, PROGRAM
COORDINATOR

HOD/AERO

Participant Feedback Form

(On course completion)

Date 30/09/2018

Course on gas dynamics

Student Name (optional) GHITTAJI THAMMANI

Student ID (optional) U15AE 00A

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 more informative like this

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?

More training needed



Department of Aeronautical Engineering

Value Added Course

Course on Gas Dynamics

List of students Registered on 19/09/2018

SNO	Reg NO	Name of the Student
1	U15AE001	A NAGANANDAN
2	U15AE002	AJAY S
3	U15AE003	AMUTHAN A
4	U15AE004	ARAVINDAN A
5	U15AE005	ARUP RATAN PARAMANIK
6	U15AE006	BANDARU KOTA NAGENDRA SURESH
7	U15AE007	BOJJA MANOJ KUMAR
8	U15AE008	CHILAKALAPUDI YASHWANTH TEJA
9	U15AE009	CHITTOJI THANMAYI
10	U15AE010	DASARI RUFUS
11	U15AE011	DEEPAK SIVAN
12	U15AE012	DEGALA VINODKUMAR
13	U15AE013	DIVYA A
14	U15AE014	EDWIN PRAKASH F
15	U15AE015	ERLA NAVEEN KUMAR
16	U16AE001	SARKAR ABHIJIT
17	U16AE002	MOHAMMED FAHATH M S
18	U16AE003	ANTANIESKEMIN Y
19	U16AE004	KEERTHIVASAN J
20	U16AE005	CHARANKUMAR A
21	U16AE006	VIGNESH T
22	U16AE007	BOYANAPALLE SRINIVAS ANSHU BAB
23	U16AE008	SEELAM DURGA LAKSHMI PRIYANKA
24	U16AE009	LOKESH B
25	U16AE010	KANDULA THRINATH
26	U16AE011	KODAVALURU SAI BHAVANA
27	U16AE012	UJJWAL KUMAR SINGH
28	U16AE013	SARATH KUMAR S
29	U16AE014	PRAKASH GUPTA
30	U16AE015	MOHANISH DHURUW
31	U16AS001	SARATH KUMAR S
32	U16AS002	KESAVARAJU K V
33	U16AS003	GUDIPATI SIVAKUMAR
34	U16AS004	PRITHIVIRAJAN S M
35	U16AS005	PRASANNA PRAKASH J
36	U16AS006	VISHAVAK P S
37	U16AS007	RUMADE SHUBHAM NARAYAN



38	U17AE001	BHARKAVI S
39	U17AE002	YETTULA RISHAN RAJ
40	U17AE003	YACOB S
41	U17AE004	PAVANKALYAN J
42	U17AE005	KARAMPUDI SAILOKESH
43	U17AE006	RAGUL S
44	U17AE007	PRATHAP V
45	U17AE008	JAYA SURYA R
46	U17AE009	AJAY KUMAR S
47	U17AE010	GANESH S
48	U17AE011	MANJUNADH ESHWAR P
49	U17AE012	PEREZHIL MUGUNDAN D
50	U17AE013	CHITTI SAI SRAVAN KUMAR
51	U17AE014	VALLALA MUKESH GOUD
52	U17AE015	BISMAYA BENNY KOLLIHIRA
53	U17AE016	VIJAY S
54	U17AE017	NARESH KUMAR G
55	U17AE018	SINGAMPALLI HARISH
56	U17AE019	SAMBANTHAM S M S
57	U17AE020	PRAVEENRAJ S
58	U17AE021	SOWMIYA V
59	U17AS001	TARWIN PRINCE U
60	U17AS002	JUSTIN LEO J
61	U17AS003	VISHAL M
62	U17AS004	S AJITH VIRAT
63	U17AS005	KISHORE KUMAR P
64	U17AS006	BATCHU NEERAJAKSHI
65	U17AS007	ARUL PRAKASH A





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

04/12/2018

F.No.Aero/Events-1.1/Value Added Course/2018

CIRCULAR

Department of Aeronautical Engineering is organising a Value Added Course on 'Introduction to CFD' to be delivered by the eminent Industry expert and speaker, Dr. Siva , Managing Director, Big Bang Boom Solutions Private Limited on **05/12/2018** for the students of B.Tech (Aeronautical & Aerospace Engineering). All the students are hereby instructed to be available for the said course.


HOD-Aero



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Department of Aeronautical Engineering

Value Added Course

Introduction to CFD

Objective :

It is concerned with application of numerical methods for solving conservation equations of fluid dynamics. The subject will be taught with the objective of motivating students to develop their own computer codes.

Course Co-ordinator: Mr.R.Karthikeyan

COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	05/12/2018(FN)	Governing conservations equations of fluid flow and classification of system of partial differential equations (PDEs)	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited
2	05/12/2018(AN)	Methods for approximate solution of PDEs: brief overview of finite difference, finite volume and finite element approaches	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions
3	08/12/2018(FN)	Taylor table approach for constructing finite difference schemes of arbitrary orders of accuracy, implementation of schemes near boundaries	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited
4	08/12/2018(AN)	Numerical solution of steady state heat conduction (Elliptic PDE) using various explicit and implicit schemes, implementation of boundary conditions, mesh dependence and convergence of solution	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited
5	09/12/2018(FN)	Numerical solution of unsteady heat conduction (Parabolic PDE) using various schemes, implementing initial and boundary conditions, stability analysis, multi-dimensional implementation	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited
6	09/12/2018(AN)	Numerical solution of linear wave equation (Hyperbolic PDE) using various schemes, artificial viscosity, diffusion and dispersion error, stability analysis	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited



7	15/12/2018(FN)	Numerical solution of one dimensional convection-diffusion equation	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited
8	15/12/2018(AN)	Numerical solution of two dimensional incompressible Navier Stokes equations	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited
9	16/12/2018(FN)	Basics of interface capturing methods for application in multiphase flow	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited
10	16/12/2018(AN)	Basics of turbulence modeling	3 Hours	Dr.Siva , Managing Director, Big Bang Boom Solutions private limited

BOOKS AND REFERENCES

1	Computational Fluid Dynamics, K. A. Hoffmann and S. T. Chiang, Engineering Education
2	Numerical Computation of Internal and External Flows: The Fundamentals of Computational
3	A First Course in Aerodynamics: A. Roy, Ventus Publishing, Denmark, 2012





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Department of Aeronautical Engineering

Certificate of Participation

This acknowledges that

SURJITH S
U17AE036

Has undertaken 30 hours course on "INTRODUCTION TO CFD" Organized by
DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 05.12.2018 TO
16.12.2018.

R.KARTHIKEYAN, PROGRAM
COORDINATOR

HOD/AERO

Participant Feedback Form

(On course completion)

Date16/12/2018.....

CourseCFD.....

Student Name (optional)JULI GUPTA.....

Student ID (optional)U15.AE.022.....

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?

.....



Department of Aeronautical Engineering

Value Added Course

Course on Introduction to CFD

List of students Registered on 05/12/2018

SNO	Reg NO	Name of the Student
1	U15AE016	GADDAM MADHUSUDHAN REDDY
2	U15AE017	GANDLA SAI KEERTHANA
3	U15AE018	I VASUDEVA REDDY
4	U15AE019	ISHANT DUBEY
5	U15AE020	KARRI ASHOK KUMAR REDDY
6	U15AE021	KARTHIKEYAN R
7	U15AE022	JUHI GUPTA
8	U15AE023	KOLA JOHN HANNA JAYASREE
9	U15AE024	KUSUNURI JYOTHI SAI PAVAN
10	U15AE025	MD ALAM
11	U15AE026	MD MUDEER ALAM
12	U15AE027	MERLIN TERESA P
13	U15AE028	MOPOORI BHARATH KUMAR
14	U15AE029	BIJOY PAUL
15	U15AE030	NINGKHANRIN N G
16	U15AE031	PARASA MAHENDRA
17	U15AE032	PAVULURI MOHITH CHOWDARY
18	U15AE033	PERCIYAL A
19	U15AE034	PULUSU PARDHU SREE
20	U15AE035	RAVILLA VISHNU VARDHAN NAIDU
21	U16AS008	GONDAL PRANAY GOPAL
22	U16AS009	PUNITHAN A
23	U16AS010	ASHLIN KUMAR
24	U16AS501	KURAL ARASU L
25	U16AS502	DONTHA ADITYA
26	U16AE016	KAVIBHARATHI T
27	U16AE017	HARIHARAN K
28	U16AE018	K S GANESH
29	U16AE019	PUNITHAN A
30	U16AE020	JANARTHANAN K
31	U16AE021	MANDALA HARI
32	U16AE022	VIGNESH A
33	U16AE023	NATARAJAN T M
34	U16AE024	SANTHOSH KUMAR SAHU
35	U16AE025	VAGGALA MAMATHA SRI
36	U16AE026	KESAVARAJU K V
37	U16AE027	GOLLA GOPAL



38	U16AE028	MUHUNTHANI B
39	U16AE029	GUDIPATI SIVAKUMAR
40	U16AE030	MONIKA VEMAGIRI
41	U16AE031	D VINOD RAO
42	U16AE032	ARUN R
43	U16AE033	DEKKA SAI VENKATA SURYA AJAY KUMAR
44	U16AE034	SHAKEEL AKTHAR M
45	U16AE035	ADAPALA ANIL KUMAR
46	U17AE023	ATHOTA SURESH
47	U17AE024	PAVITHRA D
48	U17AE025	YERAMAPU SNEHITHA
49	U17AE026	DUPPADA GURU SANKAR
50	U17AE027	KAMIREDDY DURGA SAI RAJYALAKSHMI
51	U17AE028	SHAIK JAFFER SADIQ
52	U17AE029	ARAVINDAN S
53	U17AE030	KANDALA RAVI TEJA
54	U17AE031	GUTTI VINAY KUMAR
55	U17AE032	MARELLA NIKHIL REDDY
56	U17AE033	PATAN KARIMULLA BABA
57	U17AE034	SINGULURI BHARADWAJ SATYANARAYANA
58	U17AE035	NALAMASU NIKHIL
59	U17AE036	SURJITH S
60	U17AE037	THOLICHURU DILEEPKUMAR
61	U17AE038	MOHAN KRISHNA CHESETTI
62	U17AE039	MUKESH PRAJAPATI
63	U17AE040	KARRI SANTHOSHI
64	U17AE041	HAZEEP VIJAYENDRA SRINIVAS
65	U17AE042	K SREERAMA SUBRAMANYA CHARAN
66	U17AE043	BANDARU CHANDRA MOULI
67	U17AE044	ADURI NAGA SAIKIRANMAI
68	U17AE045	CHINTALA LAKSHMI NARAYANA
69	U17AE046	NALLAMSETTI PAVAN KUMAR
70	U17AE047	THIRUMALASETTI DURGA APARNA
71	U17AE048	BOGAPARAPU PRAVALLIKA
72	U17AE049	DHOPADE SAMATHA
73	U17AE050	POTNURU HARI CHANDANA
74	U17AS008	JAYAPRAKASH CHANDRAN G S
75	U17AS009	GUTTULA KIRAN





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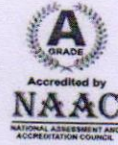
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Chennai - 600 073. Tamil Nadu.



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

11/02/2019

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

CIRCULAR

Department of Aeronautical Engineering is organising a Value Added Course on 'Jet and Rocket Propulsion' to be delivered by the eminent Industry expert and speaker, Mr. Arun, Manager, Orient Flight School Private Limited on **12/02/2019** for the students of B.Tech (Aeronautical & Aerospace Engineering). All the students are hereby instructed to be available for the said course.



HOD-Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,
HOD

Department of Aeronautical Engineering
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Department of Aeronautical Engineering

Value Added Course

Course on Jet and Rocket Propulsion

Objective :

The objective of the course is to impart knowledge about rocket propulsion and fundamental aspects of propulsion namely solid, liquid and hybrid rocket engines

Course Co-ordinator: Mr.M.Syedhaleem

COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	12/02/2019 (FN)	Jet Engine Cycle Analysis and Performance; Cycle Design	3 Hours	Mr.Arun, Manager ,Orient Flight school
2	12/02/2019 (AN)	Inlet and Nozzle Analysis, Design and Performance	3 Hours	Mr.Arun, Manager ,Orient Flight school
3	16/02/2019 (FN)	A Brief study on the Thermodynamic Cycle Analysis: i. Carnot ii.Bradyton	3 Hours	Mr.Arun, Manager ,Orient Flight school
4	16/02/2019 (AN)	Chemical Rocket Cycle Analysis(Characteristic velocity and thrust coefficient)	3 Hours	Mr.Arun, Manager ,Orient Flight school
5	17/02/2019 (FN)	Principles of Rocket Propulsion: Thrust, Specific Impulse.	3 Hours	Mr.Arun, Manager ,Orient Flight school
6	17/02/2019 (AN)	Launch Vehicle Dynamics:Range, Vertical velocity, Multistage rockets, Orbits and Space flight	3 Hours	Mr.Arun, Manager ,Orient Flight school
7	23/02/2019 (FN)	Performance of ideal Rocket Engine, Combustion in Rocket motors.	3 Hours	Mr.Arun, Manager ,Orient Flight school
8	23/02/2019 (AN)	Electric Propulsion: Electric thrusters, Electromagnetic Thrusters	3 Hours	Mr.Arun, Manager ,Orient Flight school
9	02/03/2019 (FN)	Electric and In-Space Propulsion i. Power limitations	3 Hours	Mr.Arun, Manager ,Orient Flight school
10	02/03/2019 (AN)	Characterize the performance and operating/design constraints for inlets, compressors,turbines and nozzles	3 Hours	Mr.Arun, Manager ,Orient Flight school



BOOKS AND REFERENCES

1	Mechanics and Thermodynamics of propulsion: P.Hill and C.Peterson
2	Propulsion Techniques: P.J.Turchi,Ed.;AIAA Book Series
3	Rocket Propulsion Elements: G.P.Sutton and D.M.Ross





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Department of Aeronautical Engineering

Certificate of Participation

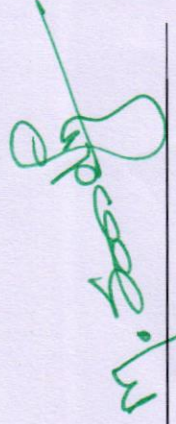
This acknowledges that

ROSELIN L
U15AE036

Has undertaken 30 hours course on **"JET AND ROCKET PROPULSION"** Organized by
DEPARTMENT OF AERONAUTICAL ENGINEERING, BIHER FROM 12.02.2019 TO
02.03.2019.



M.SYEDHALEEM
PROGRAM COORDINATOR



HOD/AERO

Participant Feedback Form

(On course completion)

Date ... U17AE051

Course Jet and Rocket propulsion

Student Name (optional) ... MOTHISA C

Student ID (optional) U17AE059

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?

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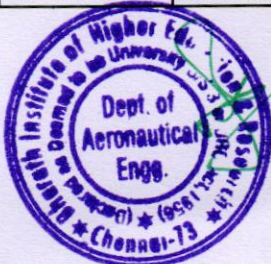
Department of Aeronautical Engineering

Value Added Course

Course on Jet and Rocket Propulsion

List of students Registered on 12/02/2019

SNO	Reg NO	Name of the Student
1	U15AE036	ROSELIN L
2	U15AE037	RUTHRA S
3	U15AE038	S KARISHMA CHANDINI
4	U15AE039	SAMPATHARAO PARDHU
5	U15AE040	SANGEETHA N
6	U15AE041	SANJAY V
7	U15AE042	SHIVA SHANKAR V N
8	U15AE043	SWATHITH K S
9	U15AE044	SWETHA R
10	U15AE045	PEMMASANI HANUMANTH RAO
11	U15AE046	TYAGARAJAN BHAVANI SHANKAR
12	U15AE047	VALMIKI MANOJ KUMAR
13	U15AE048	BIKASH BORADO
14	U15AE049	YALAMARTHI SRAVANI
15	U15AE050	YANAMADHALA AVINASH CHOWDARY
16	U15AE051	JAKKULA RAM SARATH YADAV
17	U15AE052	MANE JERMIAH
18	U15AE053	PALLEKONDU SIRISHA
19	U15AE054	ANBARASAN R
20	U16AE036	GHANTASALA PARASU RAJU
21	U16AE037	K GAMANA
22	U16AE038	GORIPARTHI PRATHYUSHA
23	U16AE039	MULAKA BHAVANA
24	U16AE040	THULLIMALLI RATNA KISHORE
25	U16AE041	LAKSHMI NARASIMHAN V
26	U16AE042	ADIGARLA BHANU PRASAD
27	U16AE043	SRI HARSHA VARMA MANTHENA
28	U16AE044	GOGULAMANDA VEERA SWAMY RAJIV
29	U16AE045	HURASU VENUH
30	U16AE046	PRABAKARAN P
31	U16AE047	ZAHID AYOOB
32	U16AE048	PASUPELETI PUJITHA
33	U17AE051	RAKESH M A
34	U17AE052	MOTHISH C
35	U17AE053	KONDEPATI BHARATH SAI TEJA
36	U17AE054	YARLAGADDA SAI KIRAN
37	U17AE055	CHEEPURU SATISH KUMAR



38	U17AE056	MADDIPATI VENKATESH
39	U17AE057	ARISSETY NAVYA
40	U17AE058	KAILA SMATIKA
41	U17AE059	RAMESH UNNAMATLA
42	U17AE060	BHARATH KUMAR NUNE
43	U17AE061	YAKKANTI SUBBA RAMI REDDY
44	U17AE062	KARRE SAI VENKATA SIVA RAHUL
45	U17AE063	DEVANSH SAI SAHU
46	U17AE064	KANALA KAMALAKAR REDDY
47	U17AE065	SHAIK KHADER SHARIEF
48	U17AE066	PUTTA YOGABALAJI
49	U17AE067	BADE ANIL KUMAR
50	U17AE068	SHAIK BAJI
51	U17AE069	GYANARANJAN PARIDA
52	U17AE070	T DEEPAK KUMAR
53	U17AE071	BODE PARAMESH
54	U17AE072	ARUNPANDIYAN K
55	U17AE073	M SREEKANYA
56	U17AE074	MARTHALA BALAJI REDDY
57	U17AE075	ARULPRAKASH G
58	U17AE076	RAMAN BHASKAR PANDIAN
59	U17AE077	BARISH AHAMED F
60	U17AE078	KRISHNAKUMAR A
61	U17AE079	SENAPATHI LOKESH
62	U17AE080	CHINTA SHRAVAN KUMAR
63	U17AE081	KAMESH K
64	U17AE082	HEMNATH A V
65	U17AE083	SHAIK NIZAMUDDIN
66	U17AE084	BALUSU DEVIPRASAD THARUNMANI KOUSIK
67	U17AE085	SUSWANTH P
68	U17AE086	NETHALA TERIYA ROSHAN
69	U17AE087	PASUPULETI MANIKANTA
70	U17AE088	BALU RAJA SEKHAR REDDY
71	U17AE089	SHAIK PAPABHAI ABRAR AHMED
72	U17AE090	MOOLINTE GURU SAI KRISHNA
73	U17AS010	ARJA VENKATA HEMANTH KUMAR





Bharath

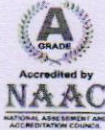
INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(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 4th July 2002)

DEPARTMENT OF AERONAUTICAL ENGINEERING

Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073, Tamil Nadu.



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

08/03/2019

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

CIRCULAR

Department of Aeronautical Engineering is organising a Value Added Course on Advanced Aircraft Maintenance to be delivered by the eminent Industry expert and speaker ,**The Trainee AME, Orient flights pvt Ltd** on **11 March 2019** for the students of B.Tech (Aero & Aerospace Engineering). All the students are hereby instructed to be available for the said course.



HOD-Aero

Dr. M. SUNDARARAJ, M.E., Ph.D.,
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



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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

Department of Aeronautical Engineering

Value Added Course

Advanced Aircraft Maintenance

Objective :

The objective of the course is to study the Aircraft maintenance practices like overhaul, repair, inspection of an aircraft or aircraft component

Course Co-ordinator: Mr.N.Kalaimani

COURSE LAYOUT

SNO	Date	Course Content	Duration	Instructor
1	11/03/2019 (FN)	Detailed study of the Future of aircraft maintenance and aircraft health monitoring	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
2	11/03/2019 (AN)	The line maintenance checks in Aircrafts.	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
3	17/03/2019(FN)	Sheduled aircraft inspections and unsheduled air	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
4	18/03/2019 (FN)	Human Factors Guidelines for Aircraft Maintenan	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
5	18/03/2019 (AN)	Special tools and equipment in an airplane maint	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
6	24/03/2018 (FN)	Specification and correct use of various aircraft h	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
7	24/03/2018 (AN)	Swaging procedures, tests, Advantages of swagin	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
8	25/03/2018 (FN)	Air conditioning and pressurization systems	3 Hours	Mr.Ebenazar Jose Praveen, Trainee AME ,Orient flights pvt Ltd



9	25/03/2018 (AN)	FAR Air worthiness directives	3 Hours	Mr.Ebenezar Jose Praveen, Trainee AME ,Orient flights pvt Ltd
10	31/03/2018 (FN)	Hazardous waste handling	3 Hours	Mr.Ebenezar Jose Praveen, Trainee AME ,Orient flights pvt Ltd

BOOKS AND REFERENCES

1	Aviation Maintenance Technician Handbook, General, AC 65-9A, Shroff Publishers and Distributors, 2008
2	Aviation Maintenance Technician Handbook, Airframe, AC 65-15A, Shroff Publishers and Distributors, 200
3	Kroes Watkins Delp, "Aircraft Maintenance and Repair", McGraw Hill, 7th edition, New York, 2013





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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Department of Aeronautical Engineering

Certificate of Participation

This acknowledges that

MOHAMMAD ALAM K A
U15AE061

Has undertaken 30 hours course on "COURSE ON ADVANCED AIRCRAFT
MAINTENANCE" Organized by DEPARTMENT OF AERONAUTICAL ENGINEERING,
BIHER FROM 11.03.2019 TO 31.03.2019.

M.KALAIMANI, PROGRAM
COORDINATOR

HOD/AERO

Participant Feedback Form

(On course completion)

Date ...31/03/2018....

Course Advance Aircraft maintenance

Student Name (optional) SABIN RAZ M

Student ID (optional) U15.AE.058

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?

..... improve the avail-

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?

..... need more

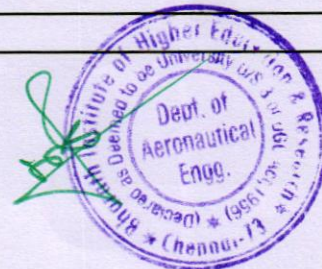


Department of Aeronautical Engineering

Value Added Course

Course on Advanced Aircraft Maintenance

SNO	Reg NO	Name of the Student
1	U15AE055	PALIVELA VASU
2	U15AE056	ARUNKUMAR D
3	U15AE057	CHALAMPALEM DIVYA
4	U15AE058	SOBIN RAJ M
5	U15AE059	SANTHOSH RAJ K
6	U15AE060	MUHAMMAD RAAZEE
7	U15AE061	MOHAMMAD ALAM K A
8	U15AE062	SANDEEP G M
9	U15AE063	VITTAL ZAHID AHMED
10	U17AE091	YALAMALA MANIDEEP
11	U17AE092	DUMMU JAGAN
12	U17AE093	THOTA RAKESH
13	U17AE094	RAPARTHI HEMANTH
14	U17AE095	P RISHIKESH
15	U17AE096	SHAIK DARBAR BASHA
16	U17AE097	KADAPA AZEEM
17	U17AE098	MOGASATI BHARAT ANAND SAIRAM
18	U17AE099	GUTHIREDDY KALYAN KUMAR REDDY
19	U17AE100	AFRID SHAIK MOHAMED T
20	U17AE101	GOPAMSHANA RAJA HARI CHANDAN MANIKANTA
21	U17AE102	BETHU MOUNIKA
22	U17AE103	DONDETI AJAY KUMAR REDDY
23	U17AE104	PENNADA MADHU KUMAR
24	U17AE105	ASHISH KUMAR PATEL
25	U17AE106	PABOLU NITESH DURGA SAI SURYA
26	U17AE107	BIRUDARAJU VINAY KUMAR
27	U17AE108	FATANIYA ALPESH DAYABHAI
28	U17AE109	VAKAMULLA BHASKARI
29	U17AE110	KULKARNI ADARSH
30	U17AE111	DAMPURI NANDAVARDHAN
31	U17AE112	SUMATHI S
32	U17AE113	KAREDLA ANILBABU
33	U17AE114	KARNATI ASHOK KUMAR REDDY
34	U17AE115	SRIPELLY RAKESH
35	U17AE116	KOYI NAVEEN KUMAR
36	U17AE117	MOHD SHAHNAWAZ
37	U17AE118	SHAIK YASAR ALI



38	U17AE119	NAMPALLY VINAY
39	U17AE120	CHELPUR RAJENDER
40	U17AE121	SHAM ROHIT V
41	U17AE122	AITHE RAMESH
42	U17AE123	EBI JOHN THOMAS J
43	U17AE124	CHEEPURUPALLI VV SATYA RAGHAVENDRA
44	U17AE125	DEKKALA VINAY
45	U17AE126	SHRIDHAR S BHANDI
46	U17AE127	SAURAV SHARMA
47	U17AE128	INDERNATH B
48	U17AE129	VANTIPENTA MOHITH REDDY
49	U17AE130	SRI SRI BORRA
50	U17AE131	PATHAN THOUSIF KHAN
51	U17AE132	PANCHUMARTHI BHARGAVARAM
52	U17AE133	EJAS AHMED A
53	U17AE134	KISHORE S
54	U17AE135	ROLLAPATI AMARNATH REDDY
55	U17AE136	ANAPARTHI AJAY CHANDRA
56	U17AE137	KUNCHAPA VENKATASUNIL
57	U17AE138	MUGESH C
58	U17AE139	THANISH S
59	U17AE140	BIJJAM ASHOK REDDY
60	U17AE141	GANJI GOWTHAM
61	U17AE142	AZARUDEEN K
62	U17AE143	KANTHARAJU L
63	U17AE144	B N RANGANATH
64	U17AE145	VASANTH K
65	U17AE146	CHIMATA VAMSI KRISHNA
66	U17AE147	MUPPURI JAGADEESH MOULI
67	U17AE148	JAYA SURYA.C
68	U17AE149	NIKHIL RAJ K
69	U17AE150	ARISH VISHVA K S

