



Bharath

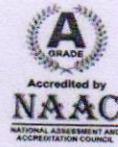
INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(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
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173, Agaram Road, Selaiyur, Tambaram,
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
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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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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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.Brayton	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





Shriharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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Department of Aeronautical Engineering

Certificate of Participation

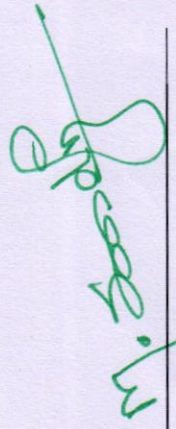
This acknowledges that

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.....

CourseJet 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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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF AERONAUTICAL ENGINEERING



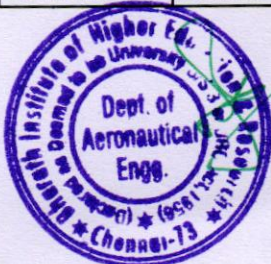
Department of Aeronautical Engineering

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

