

Fwd: Request for Conduct of Faculty Development Program on 'DESIGN OF EXPERIMENTS' in association with Aeronautical Society of India

1 message

Raja Murugu <n.rajamurugu@gmail.com>

Thu, Aug 26, 2021 at 9:55 AM

To: "saravanan.aero@bharathuniv.ac.in" <saravanan.aero@bharathuniv.ac.in>

----- Forwarded message -----

From: Sundararaj <sundarsonic@yahoo.com>

Date: Sat, 26 Jun 2021, 20:14

Subject: Fwd: Request for Conduct of Faculty Development Program on 'DESIGN OF EXPERIMENTS' in association with Aeronautical Society of India

To: Raja Murugu <n.rajamurugu@gmail.com>, karthikmk <karthikmk.aero@bharathuniv.ac.in>, Elangovan S. Dr <subelango@yahoo.co.in>

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

Begin forwarded message:

From: AeSi Chennai Chairman <aesicb.chennai@gmail.com>

Date: 25 June 2021 at 7:12:25 AM IST

To: HOD Aeronautical Bharath University <hodaero@bharathuniv.ac.in>

Cc: erath <erath@iitk.ac.in>, get_thanigai <get_thanigai@yahoo.com>, bhoominathan ramaswami

<bhoominathan@gmail.com>, sundarsonic@yahoo.com, WG CDR N MUTHUSAMY <muthusamy55@yahoo.com>

Subject: Re: Request for Conduct of Faculty Development Program on 'DESIGN OF EXPERIMENTS' in association with Aeronautical Society of India

Dear Dr.Sundararaj

Honorable Chairman has given permission to conduct the workshop jointly without any financial commitment from AeSI.

Good Job. All the best.

regards

Thanigaiarasu.S

For Chairman

Prof. E. Rathakrishnan

Chairman, Aero Society of India, Chennai Branch

Professor(retired), Indian Institute of Technology, Kanpur

Editor-in chief, International Review of Aerospace Engineering

Editor-in chief, International Review of Mechanical Engineering

On Sat, Jun 19, 2021 at 10:41 PM HOD Aeronautical Bharath University <hodaero@bharathuniv.ac.in> wrote:

Respected Sir,

Department of Aeronautical Engineering is planning to conduct Virtual Faculty Development Program on 'Design of Experiments' scheduled from 28th June 2021 to 02nd July 2021. There will be total of 10 Sessions which will be handled by experts from prestigious educational institutions and industries. In this regard, we wish to apply for your association to conduct this program successfully.

Thanking you,

Yours sincerely,
Dr. M. Sundararaj





BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

Five day Online Faculty Development Programme (FDP)

On

Design of Experiments

Organized by

Department of Aeronautical Engg,

In Association with



Aeronautical Society of India (AeSI)

Chennai Branch

**28TH JUNE
to
2ND JULY
2021**

About BIHER

Bharath Institute of Science and Technology (BIST) was established in the year 1984 as the first self-financing Engineering College in Tamilnadu under the aegis of Sri Lakshmi Ammal Educational Trust. Bharath Institute of Higher Education & Research (BIHER) was declared as deemed to be a university by University Grants Commission under section 3 of UGC Act, 1956 in the Year 2002. Later BIST was brought under the ambit of BIHER as a Constituent institute in the year 2003. BIHER aims to impact higher education in Science and Technology, Medicine, Dentistry, Nursing, Physiotherapy, and Law to aspiring students so that they can emerge as competent professionals. The institute is committed to the grand task of providing quality education, which will transform the students into efficient and successful careerists. Students who have graduated from BIST are serving in various responsible positions in India and abroad.

Last date of Registration : 25/06/2021

About the Department

The Aeronautical engineering department was established in the year 2012. The department has a team of highly qualified, dedicated, and motivated faculty and well-equipped laboratories. Keeping in mind, the rapid strides our country is making in the field of Aerospace Technology, B.Tech Aerospace Engineering was started in the year 2016. The Aeronautical & Aerospace Engineering department has well-equipped laboratories and research facilities such as high-performance computer facilities and software (ANSYS, CATIA, and MIDAS NXF), low-speed wind tunnel, Computer-controlled UTM, high-speed jet facility, grounded jet aircraft, propeller aircraft, sectioned Tumansky R-13 jet engine, piston engine, flight simulator facility, etc.



more info at www.bharathiv.ac.in

About the FDP

In this program, lectures will be delivered on the basic principles of statistics, design of experiment, Taguchi method, RSM and ANN. Also, exposure to software will be given to enhance learning. Design of Experiments (DOE) techniques deal with planning, conducting the experiments, and then analyzing and interpreting the response to evaluate the factors, which control the value of a parameter or group of parameters.

A strategically planned and executed experiment may provide a great deal of information about the effect on a response variable due to one or more factors. DOE simply helps to pinpoint the sensitive parts and sensitive areas in designs that cause problems in yield.

Objectives of the FDP

- ✓ Understand the importance of the Taguchi method and response surface method (RSM) in research and in industry.
- ✓ Apply Taguchi and RSM method in their field.
- ✓ Analyze the effect of factors affecting the response.

FDP Course Content

- Introduction to design of experiment.
- Taguchi method.
- Response Surface Methodology.

Registration:

For this Online FDP, **No Registration Fee**
Participants are requested to register through the google forms link given below on or before 25/6/21. Confirmation of Participation will be intimated through registered email.
Registration link:
<https://forms.gle/g8DNq48h2QXRbsav8>



E-Certificate will be provided to all participants

RESOURCE PERSONS

- ▶ **Dr. G. Balu**
Scientist H / Outstanding Scientist (Retd)
Defence Res & Dev Laboratory (DRDL), Kanchanbagh (PO), Hyderabad.
- ▶ **Dr. P. Saravanan**
Chief Scientist,
Head & Honorary Faculty - Anna University,
Cell for International Consultancy & Social Impact Assessment, Central Leather Research Institute CSIR-CLRI, Adyar, Chennai.
- ▶ **Dr. S.K. Maharana**
Professor & Dean,
Department of Aerospace Engineering,
Acharya Institute of Technology, Bangalore
- ▶ **Dr. Amulya Panda**
Honorary Professor, Dayandasagar University.
- ▶ **Dr. R. Jeyapaul**
Professor
Department of Production Engineering
National Institute of Technology, Tiruchirappalli.
- ▶ **Dr. P. Kalpana**
Associate Professor
Faculty of Mechanical Engineering
IITDM Kancheepuram, Chennai.
- ▶ **Dr. C. Suresh Kumar**
Associate Professor,
Bharath Institute of Higher Education and Research,
Chennai.

CHIEF PATRON

Dr. S. Jagathrakshagan, Founder - Chairman, BIHER
Dr. J. Sundeep Aanand, President, BIHER

CO- PATRONS

Dr. K. Vijaya Bhaskar Raju, Vice Chancellor (I/c)
Dr. M. Sundararajan, Pro-Vice Chancellor (Academic)
Dr. R. M. Suresh, Pro-Vice Chancellor and COE
Dr. S. Suresh Kumar, Pro-Vice Chancellor (Grants & Publications)
Dr. S. Bhumathan, Registrar
Dr. S. Hari Prakash, Additional Registrar
Dr. J. Hameed Hussain, Dean Engineering

CONVENORS

Dr. S. Elangovan, Professor & Dean
Dr. M. Sundararaj, Professor & Head

CO- CONVENOR

Dr. N. Rajamurugu, Assistant Professor

CO- ORDINATORS

Mr. R. Manikandan, Assistant Professor
Mr. M. K. Karthik, Assistant Professor
Mr. N. Elumalai, Assistant Professor

Contact :

9566083661, 9094072763, 7012023060

email: aeroevents@bharathuniv.ac.in



Online Tool



more info at www.bharathuniv.ac.in

**Five day Online Faculty Development Programme (FDP) on Design of Experiments
Organized by Department of Aeronautical Engg, BIHER.**

SCHEDULE (28 JUNE 2021- 02 JULY 2021)

DATE	SESSION-1 (9AM TO 10.00AM)	SPEAKER	SESSION-2 (10.15AM TO 11.15AM)	SPEAKER
28/6/2021	Inaugural & Keynote Address	Dr.G.Balu M.Tech., Ph.D (IIT-M) Scientist H/ Outstanding Scientist (Retd) Defence Res & Dev Laboratory (DRDL) Kanchanbagh (PO), Hyderabad.	Design of Experiments- Introduction & Hands on Session	Dr.S.K.Maharana M.Tech., Ph.D (IIT-K) Professor & Dean, Department of Aerospace Engineering, Acharya Institute of Technology, Bangalore.
29/6/2021	Factors, outcomes, levels, interaction and experimental errors	Dr.S.K.Maharana M.Tech., Ph.D (IIT-K) Professor & Dean, Department of Aerospace Engineering, Acharya Institute of Technology, Bangalore.	Hands On Session	Dr.S.K.Maharana M.Tech., Ph.D (IIT-K) Professor & Dean, Department of Aerospace Engineering, Acharya Institute of Technology, Bangalore.
30/6/2021	Experimental testing and Characterization Techniques	Dr.C.SureshKumar M.E.,Ph.D Associate Professor, Bharath Institute of Higher Education and Research ,Chennai.	Six Sigma Design of Experiments	Dr.P.Saravanan M.Tech,Ph.D Chief Scientist, Head & Honorary Faculty - Anna University, Central Leather Research Institute CSIR-CLRI, Adyar, Chennai.
1/7/2021	Basic and Full Factorial DOE	Dr.AmulyaPanda,M.Tech,PhD(IIT-M) Honorary Professor, Dayandasagar University,Bangalore.	Demonstration of Main and Interaction Effects	Dr.AmulyaPanda,M.Tech,PhD(IIT-M) Honorary Professor, Dayandasagar University, Bangalore.
2/7/2021	Optimization Techniques and its Applications	Dr. P. Kalpana, M.E.,Ph.D Associate Professor, Faculty of Mechanical Engineering IIITDM Kancheepuram, Chennai.	Valedictory & Keynote address	Dr.R.Jeyapaul,M.E.,Ph.D Professor, Department of Production Engineering National Institute of Technology, Tiruchirappalli.



Subject: The Aeronautical Society of India -Corporate Membership

Dear Sir,

Dated: 11-03-2021

On behalf of the

DEPARTMENT OF AERONAUTICAL ENGINEERING, BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH (BIHER), #173, AGARAM ROAD, SELAIYUR, CHENNAI, 600073

I, hereby, seek Corporate Membership of the Society and accordingly the Corporate Membership Registration form duly filled in is enclosed herewith



Signature

A handwritten signature in black ink, appearing to read "M. Sundararaj".

Name

Dr. M. SUNDARARAJ

Designation

PROFESSOR AND HEAD

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

To,

Hon. Secretary General
The Aeronautical Society of India, 13-B,
I.P. Estate, New Delhi-110002





THE AERONAUTICAL SOCIETY OF INDIA

13-B, INDRAPRASTHA ESTATE, NEW DELHI - 110002

Ph: 23370516, 23370058, Fax: 011 23370768, e-mail: aerosoc@bol.net.in, web: www.aerosocietyindia.in

Corporate Membership

Registration Form

1. Registered Office

(Please provide the general organisation address and switchboard details - not your direct contact details)

Organisation Name **BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH (BIHER)**
 Address **#173, AGARAM THEN ROAD, SELAIYUR, CHENNAI, TAMILNADU 600 073**
 Telephone **+91 44 22290742, 22290125** Fax **+91 44 22293886**
 Website **www.bharathuniv.ac.in** Email **office@bharathuniv.ac.in**

2. Head Office (if different from above)

Organisation Name **BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH (BIHER)**
 Address **#1, FIRST MAIN ROAD, KASTURIBAI NAGAR, ADAYAR, CHENNAI TAMILNADU, 600020**
 Telephone **+91 44 42115251** Fax _____
 Website **www.bharathuniv.ac.in** Email **pstoc@bharathuniv.ac.in**

3. Organisation Details

Aerospace turnover of part of company _____ NA _____
 Primary Product/Service Range _____ NA _____
 Trade Association Membership _____ NA _____

Business Sector

Defence Civil Space

Business Activity

Armed Forces Research & Development Government
 Airline Airport Manufacturer
 Maintenance & Repair Air Traffic Space
 Professional Services Licensing, Regulation & Governance UAS
 Trade/Other Associations

[.] Other (Please Specify) _____ Deemed to be University, Education _____

Approximate Number of Employees _____ 2000 _____



4. Registering Executive

Title Dr. Name M. SUNDARARAJ
Designation Head, Department of Aeronautical Engineering Phone +91 9840844425
Email hodaero@bharathuniv.ac.in AeSI Member? Yes/No

Signature with Date

M. Sundararaj
11/03/2021

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

5. (a) Registration FeeRs. 5,90,000/-for Lifetime Membership (For Corporates) (Rs. 5,00,000/- fee + Rs. 90,000 (18% GST)). (Applicants need to send a draft in favor of The Aeronautical Society of India payable at New Delhi)

(b) Registration FeeRs. 2,36,000/- for Lifetime Membership (For MSMEs) (Rs. 2,00,000/- fee + Rs. 36,000 (18% GST)). (Applicants need to send a draft in favor of The Aeronautical Society of India payable at New Delhi)

6. Brief Details of your Organisation(Please send a copy of your company's current logo with this application)

Bharath Institute of Science & Technology (BIST) was established in the year 1984 as the first self-financing engineering college in Tamil Nadu under the aegis of Sri Lakshmi Ammal Educational Trust. Bharath Institute of Higher Education & Research (BIHER) was declared as a deemed to be university in 2002 by University Grants Commission under the section 3 of UGC Act, 1956. Later, BIST was brought under the ambit of BIHER as a constituent institute in 2003. BIHER aims to impart higher education in Science, Engineering, Technology, Medicine, Dentistry, Nursing, Physiotherapy, Pharmacy, Agriculture, Management, Hotel Management & Tourism, Arts and Law to the aspiring students so that they can emerge as competent professional of repute. The institute is committed to the noble cause of providing quality education which will transform the students into efficient and successful careerist. Students who have graduated from BIST are serving in various responsible positions in India and abroad.

In BIST, the department of aeronautical engineering was established in 2012. Keeping in mind, the rapid strides our country is making in the field of aerospace technology, B. Tech. Aerospace Engineering was started in 2016. The department has a team of highly qualified, dedicated and motivated faculty. The department of Aeronautical & Aerospace Engineering has well established laboratories, maintenance & repair shops and research facilities; such as low-speed wind tunnel, high-speed jet facility, computer controlled UTM, grounded jet aircraft, propeller aircraft, cut-sectioned Tumansky R-13 Jet engine, piston engine, flight simulator etc. The department also has high performance computational facility and licenses of various design and analysis commercial software. Currently, more than 500 students from different parts of the country are pursuing their under-graduate education in the department. The department is committed to impart world class quality education in the fields of Aeronautical and Aerospace Engineering.

Please return the completed form to

Hon. Secretary General
The Aeronautical Society of India
13-B, I.P. Estate, New Delhi-110002
Email: aerosocmember@gmail.com



The Aeronautical Society of India

Brief History

The Aeronautical Society of India was founded in 1948. It was inaugurated by Pt. Jawaharlal Nehru, the then Prime Minister of India on 17 November 1948. He was also the first Patron-in-Chief of the Society. The Society Headquarters Building at 13 – B, Indraprastha Estate, New Delhi – 110 002 was also inaugurated by Pt. Jawaharlal Nehru in 1963.

In these illustrious traditions, Dr. S Radhakrishnan, Smt. Indira Gandhi, Shri Rajiv Gandhi, Shri P V NarasimhaRao, Shri H D Deva Gowda, Shri I K Gujaral and Dr. Manmohan Singh were the successive Patrons-in-Chief of the Society. Dr. APJ Abdul Kalam guided the society as its President 1992-94.

Objectives

The objective of the Society is to promote the advancement and diffusion of the knowledge of aeronautical sciences and aircraft engineering as well as elevation of the aeronautical profession.

Organization

Over the years, the Society has grown into a major professional body in the field of aeronautics, aviation and aerospace. The Society has 16 Branches at all the important centers of aviation in the country viz., Agra, Bangalore, Calcutta, Chandigarh, Chennai, Goa, Hyderabad, Kanpur, Kochi, Mumbai, Nasik, Nagpur, Pune, New Delhi, Sunabeda and Thiruvananthapuram & two special centers CFD Division & Design Division and at Bangalore.

Its membership of more than 13,000 is drawn from all major aeronautical establishments such as Hindustan Aeronautics Limited, DGCA, Defence Research and Development Establishments, Academic Institutions, Aeronautical Development Agency, Indian Air Force, Indian Space Research Organization, Vikram Sarabhai Space Centre, National Airport Authority of India, Air India, Indigo, Pawan Hans and aero industry in private sector. The Society has 60 Corporate Members from both national and international sectors.

Management

The Society is managed by a Council consisting of a President, President – Elect, seven Vice Presidents, the Honorary Secretary General, Honorary Treasurer and fifteen members, twelve of whom are elected and the other three nominated to represent special interests.



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सिटी यूनियन बैंक लिमिटेड
CITY UNION BANK LTD.

आवेदनकर्ता का नाम NAME OF DRAWING OFFICE

THIRUVENCHERY BRANCH-413

Valid for Three months from the date of issue

DATE 25/02/2021

A/c. Payee only

THE AERONAUTICAL SOCIETY OF INDIA

ON DEMAND PAY

OR ORDER

पैसे खाने पर
RUPEES
रुपये

FIVE LAKH NINETY THOUSAND RUPEE ONLY

या उनके आदेश पर

590000.00

DD
Sr. No. 00394383

NOT OVER Rs.590000.00

अदा करें FOR VALUE RECEIVED

APP NAME: BHARTH INSTITUTE OF HIGHER EDU

एक दस एल टल
OT TT OL TL

NEW DELHI KAROL BAGH-102

आवेदनकर्ता का नाम NAME OF DRAWEE BRANCH

अधिकृत हस्ताक्षर करें AUTHORISED SIGNATORY
Please sign above

PRAMOD N PRASAD

⑈394383⑈ 000054000⑈ 001014⑈ 16





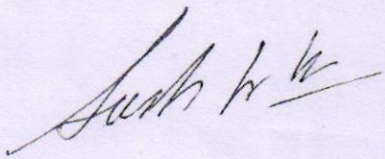
THE AERONAUTICAL SOCIETY OF INDIA

13-B, INDRAPRASTHA ESTATE, NEW DELHI-110002

Phone cum Fax.: 011-23370768

Email: aerosocmember@gmail.com Web: www.aerosocietyindia.in

TAX INVOICE

The Aeronautical Society of India, 13-B, Indraprastha Estate, New Delhi – 110002. GST No. 07AAATT0716E1ZV	No. CM063/01/2020-21	Dated 23-03-2021	
To : Bharath Institute of Higher Education & Research(BIHER), # 173, Agaram Road, Selaiyur, Chennai, Tamil Nadu – 600073. GST No. 33AACAB5765A1Z8			
Description	Qty		Amount (Rs.)
Charges Towards: The Aeronautical Society of India – Permanent Corporate Membership Fees	1	Corporate Membership Fee	5,00,000
	2	IGST 18%	90,000
		Total	5,90,000
Amount Chargeable (in words) : Rupees Five lakh ninety thousand only.			
For The Aeronautical Society of India			
			
(Suresh Kumar Singh) Authorised Signatory			





THE AERONAUTICAL SOCIETY OF INDIA

13-B, INDRAPRASTHA ESTATE, NEW DELHI-110002

Phone cum Fax.: 011-23370768

Email: aerosocmember@gmail.com Web: www.aerosocietyindia.in

Dr. M. Sundararaj,
Professor and Head,
Bharath Institute of Higher
Education & Research,
173, Agaram Road,
Selaiyur, Chennai,
Tamil Nadu – 600073.

Dated 23 Mar 2021

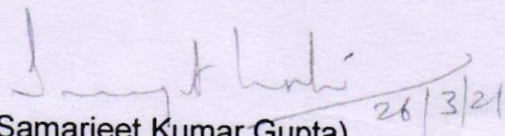
Dear Sir,

We are in receipt of your letter dated 11th March 2021 along with the Corporate Membership registration form and cheque no. 394383 dated 25-02-2021 for Rs. 5,90,000/- (Rupees Five lakhs ninety thousand only). Thank you very much for your interest in The Aeronautical Society of India.

In accordance with Society's procedures, application of Bharath Institute of Higher Education & Research(BIHER) for Corporate Membership will be put up to the Governing Council of the Society in its next meeting for approval.

With best regards,

Yours faithfully,


(Samarjeet Kumar Gupta) 26/3/21
Hon. Secretary General





THE AERONAUTICAL SOCIETY OF INDIA

13-B, INDRAPRASTHA ESTATE, NEW DELHI-110002

Phone cum Fax.: 011-23370768

Email: aerosocmember@gmail.com Web: www.aerosocietyindia.in

Dr. M. Sundararaj,
Professor and Head,
Bharath Institute of Higher
Education & Research,
173, Agaram Road,
Selaiyur, Chennai,
Tamil Nadu – 600073.

Dated 21st June 2021

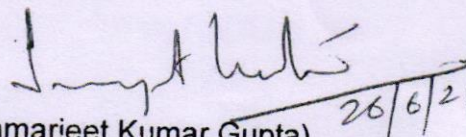
Dear Sir,

This is with reference to your letter dated 11th March 2021 for Corporate Membership of the Society.

We are pleased to inform that the Governing Council, in its 233rd meeting held on 05th June 2021, has approved the Corporate Membership of Bharath Institute of Higher Education & Research. We therefore welcome Bharath Institute of Higher Education & Research to the elite group of Corporate Members in the field of aviation and aerospace science, striving to achieve higher standards of professionalism.

Thanking you.

Yours faithfully,


(Samarjeet Kumar Gupta)
Hon. Secretary General

26/6/21





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

06 Jul 2021

F.No.Aero/Admin-13.1/AeSI/2021

To,

Shri. Samarjeet Kumar Gupta
Hony. Secretary General
The Aeronautical Society of India (AeSI)
13-B, Indraprashta Estate
New Delhi- 110 002
aerosocmember@gmail.com

Respected Sir,

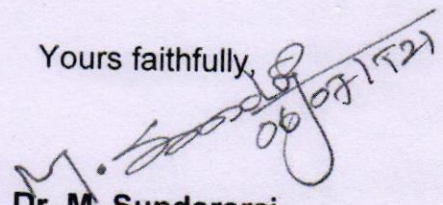
Reference is made to your letter dated 21 Jun 2021.

On behalf of Board of management of Bharath Institute of Higher Education & Research (BIHER) & School of Aeronautical Engineering, we convey our gratitude for considering our Institute for Corporate Membership in the field of Aeronautical and Aerospace Engineering in AeSI.

In your guidance, we are confident that, Bharath Institute of Higher Education and Research will rise to the occasion and will set a high standard of professionalism in the field of Aviation and Aerospace science.

Thanking you.

Yours faithfully,


Dr. M. Sundararaj





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

07 Jul 2021

F.No.Aero/Admin-13.1/AeSI/2021

To,

The Vice Chancellor
BIHER

Respected Sir,

Sub: Approval of Corporate Membership in AeSI for Aeronautical and Aerospace Engineering (BIHER):Reg

Ref No.1: Letter from AeSI dated 21 Jun 2021

Ref No.2: BIHER letter dated 11 Mar 2021

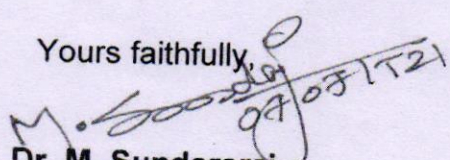
Reference is made to the Aeronautical Society of India (AeSI) letter dated 21 Jun 2021 (**Ref No.1**) and our letter dated 11 Mar 2021 (**Ref No.2**).

It is my pleasure to inform that, the Governing Council of AeSI, in its 233rd meeting has approved the Corporate Membership of Bharath Institute of Higher Education and Research, thereby, our University joined to the elite group of Corporate Members in the field of Aeronautical and Aerospace Engineering and it is needless to say that, we will continue to strive hard to achieve high standard of professionalism in the field of aviation and Aerospace Science.

It is indeed a proud moment and BIHER has added another feather in its cap.

Thanking you.

Yours faithfully,


Dr. M. Sundararaj

Encl: As stated

Copy to:

1. The Pro VC (AC)
2. The ADR
3. The Dean- Engg
4. Office





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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

Website : www.bharathuniv.ac.in



Program – B.Tech Aeronautical Engineering

Academic events details

Odd semester 2017-2018

S.No	Date	Event Name	Topic / Location	Delivered By/ Chief Guest
1	19.07.2017	Lecture	Skill Development	Step Up Consultancy
2	02.08.2017	Guest Lecture	Aerospace Challenges of 21 st Century	Dr.R.Ganesh Rajagopalan, Professor – IOWA State University, USA
3	31.08.2017	Industrial Visit	Taneja Aerospace & Aviation Limited, (TAAL) Belagondapally Village, Thally Road, Denkanikotttai Taluk, Krishnagiri District, Belagondapally	----



Skill Development program by Step up consultancy on 19/07/2019



Dr.R.GaneshRajagopalan, Professor IOWA State University,USA is delivering his address on Aerospace Challenges of 21st century to Final year and third year students





Bharath

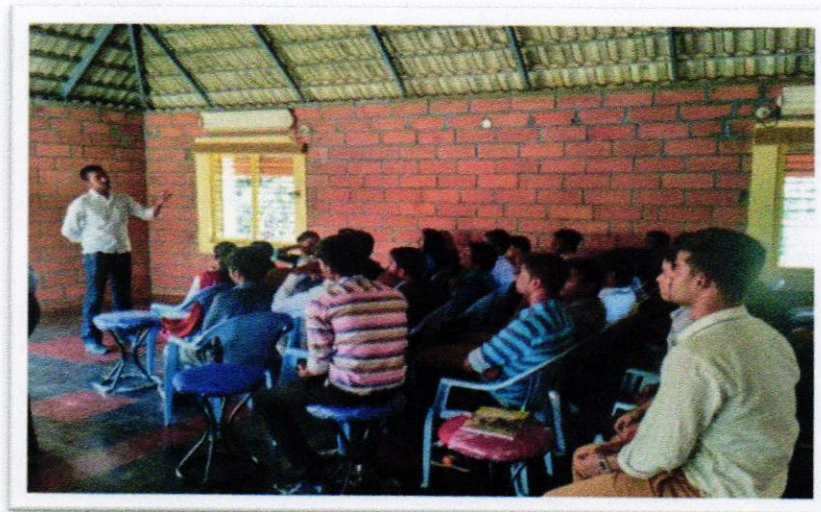
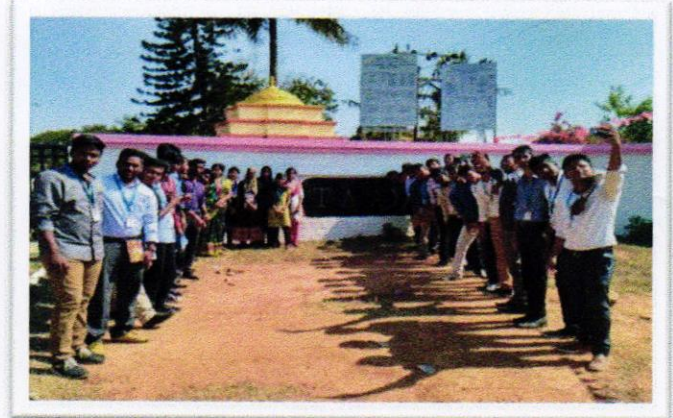
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Welcome speech to our students by a member of Taneja Aerospace & Aviation Limited,(TAAL) Belagondapally village, Thally road, Denkanikottai Taluk, Krishnagiri District, Belagondapally



M. Sooday
Head of the Department



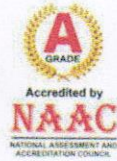
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Academic events details

Even semester 2017-2018

S.No	Date	Event Name	Topic / Location	Delivered By/ Chief Guest
1	31.01.2018	Workshop	Composite Design, Analysis and Manufacture	Dr.VijaySahadevan, GKN Aerospace, Filton UK
2	21.02.2018	Tech Talk	Aerospace Technical Publication	Mr.VenkateshVenkatachalam, Gloinnt Solutions (P) Ltd, Bengalure
3	07.03.2018	Guest Lecture	Introduction to Combustion	Mr.K.Jayaraman, Principle Project Officer, IIT Madras
4	21.03.2018	Industrial Visit	CSIR – SERC	---
5	27.03.2018	Guest Lecture	Navigation Systems	Dr. G.Anitha, Assistant Professor (Senior Grade), Avionics Division, MIT Campus, Chennai.



Dr.Sivakumar is Felicitating our chief guest Dr.VijaySahadeven GKN Aerospace, FiltonUK



Our guest Mr.VenkateshVenkatachalam Gloinnt Solutions (P) Ltd, Bengaluru is Addressing to our students about Aerospace Technical Publication





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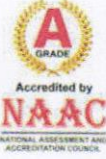
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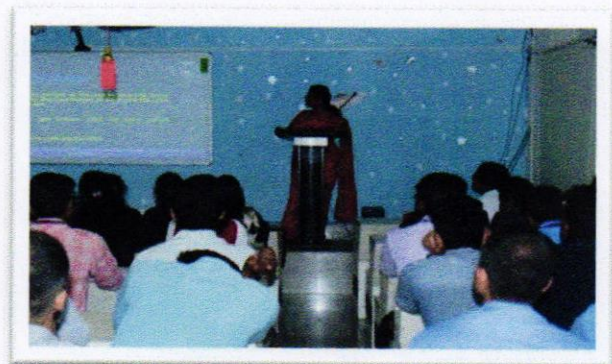
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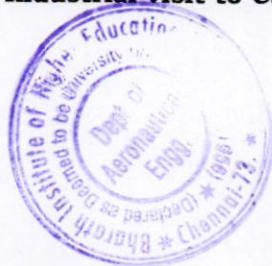
**Professor Sivakumar is felicitating our guest Dr.K.Jayaraman Principle project officer,
IIT Madras.**



**Dr.G.Anitha, Assistant Professor (Senior Grade), Avionics Division, MIT Campus,
Chennai delivering the lecture on Navigation Systems with our students on
27/03/2018**



Industrial visit to CSIR-SERC Chennai



M. Sooday
Head of the Department



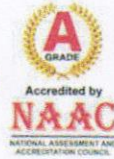
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Program – B.Tech Aeronautical Engineering

Academic events details

Odd semester 2018-2019

S.No	Date	Event Name	Topic / Location	Delivered By/ Chief Guest
1	31.05.2018 to 02.06.2018	FDP	Vibration and Aero- Elasticity	Dr.K.Jayaraman, Professor of Eminence, Dept. of Aerospace Engg, MIT Campus, Anna University, Chennai Mr.T.M.Naidu Former Project Director, Aeronautical Development Agency (ADA), Bangalore Dr.K.Vadivuchezian Assistant Professor, Dept of Applied Mechanics and Hydraulics, NIT Mangalore, Karnataka Mr.GovardhanaGiri, Managing Director, ATALON Services, Chennai Dr.S.Sivakumar Associate Professor, Dept of Aeronautical Engg BIHER, Chennai.
2	10.10.2018	Guest Lecture	Fundamental of Fluid Mechanics	Prof.Dr.S.Vengadesan, Dept of Applied Mechanics, IIT Madras.
3	04.08.2018	BOS	Board of Studies Meeting 2018	Dr.R.Kalimuthu Scientist/Engineer “SG” Indian Space Research Organization (ISRO). Propulsion Complex (IPRC), Mahendragiri – 627133. Dr.S.Selvirajan Chief Scientist, CRIR-SERC, Taramani, Chennai – 600013. Dr.V.Raghavan, Professor, Thermodynamics & Combustion Engineering Lab, Department of Mechanical Engineering, IIT Madras, Chennai – 600036.





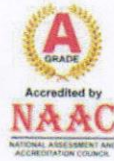
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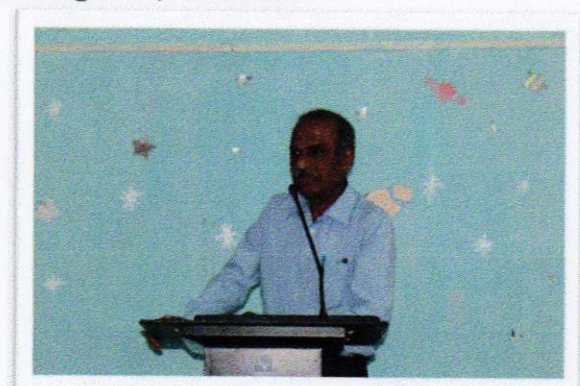
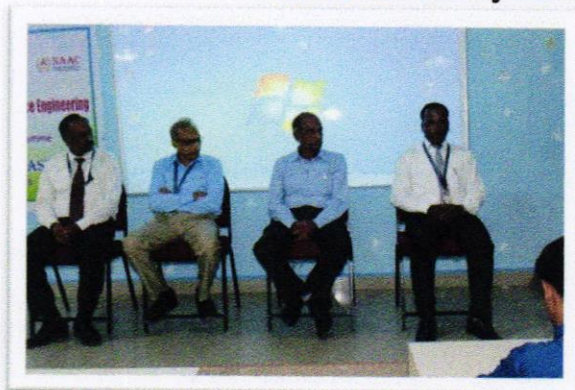


4	09.10.2018	Guest Lecture	High Temperature Applications for Aerospace Applications	Dr.N.V. Ravikumar, Professor, Department of Metallurgy and Materials Engineering, IIT Madras, Chennai – 600036.
5	12.10.2018	Guest Lecture	Indian Space Program – An Overview	Shri.R.Arunachalam , Scientist (Retd) ISRO Satellite Centre.
6	26.10.2018	International Seminar	Analysis of Aero Engine Turbines	Dr.RameshRajasekaran , Department of Design, Bellevue, United States
7	12.11.2018	Guest Lecture	Military, Logistics and Aviation	Major Lee Davis , Veteran USA Army, Major Sunil Shetty , SENA Medal Veteran Indian Army

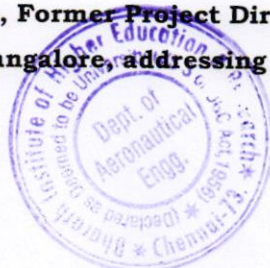
Faculty Development Programe 31/05/2018 to 02/06/2018



Resource person Dr. K. Vadivuchezhian, Assistant Professor, Dept. of Applied Mechanics and Hydraulics, NIT, Mangalore, Karnataka



Resource person Mr. T. M. Naidu, Former Project Director, Aeronautical Development Agency (ADA), Bangalore, addressing to the gendering





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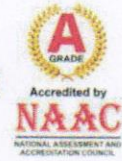
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Board of studies meeting 2018

Dr.R.Kalimuthu, Scientist / Engineer "SG" Indian Space Research Organization (ISRO),
Propulsion Complex (IPRC), Mahendragiri – 627133

Dr.S.Selvirajan, Chief Scientist, CSIR – SERC, Taramani, Chennai – 600 013.



**Dr.V.Raghavan, Professor, Thermodynamics & Combustion Engineering
Lab, Department of Mechanical Engineering, IIT Madras, Chennai – 600 036**



**Our Head Of the Department and Dean is Felicitating our chief guest Dr.N V Ravi
Kumar, professor Department of Metallurgy and Materials Engineering, IIT Madras.**





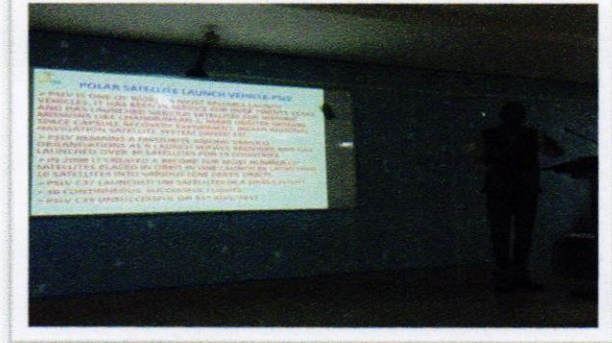
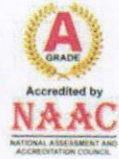
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Our Chief Guest Shri.R.Arunachalam , Scientist(Retd) ISRO Satellite Centre is addressing to our students about Indian Space Programme –An overview



Our Dean is felicitating our chief guest Dr.RameshRajasekaranDepartment of Design,Bellevue, United States



Our Dean is Felicitating the chief guest Major Lee Davis,Veteran USA army and Major Sunil Shetty,SENA medal, Veteran Indian Army



M. Sood
Head of the Department



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Program – B.Tech Aeronautical Engineering

Academic events details

Even semester 2018-2019

S.No	Date	Event Name	Topic / Location	Delivered By/ Chief Guest
1	06.03.2019	Guest Lecture	Finite Element Method in Aerospace Application	Dr. K. Jayabal Associate Professor, Department of Mechanical Engineering, IIIDM Kanchipuram.
2	13.03.2019	Guest Lecture	Aerospace Structural Materials and Composites	Dr. M.Raguraman Assistant Professor, Department of Mechanical Engineering, IIIDM Kanchipuram.
3	29.03.2019	National Conference	National Conference on Recent trends in Aerospace NCRAT 2019	Dr.G. Giridhar Deputy Director General, Ministry of New and Renewable Energy



Our Dean and Dr.SureshKumar Felicitating our chief guest Dr.K.Jayabal , Associate professor, Department of Mechanical Engineering IIITDM Kanchipuram



OUR Hod is honouring the Chief Guest Dr.M.Raguraman, Assistant professor, Department of Mechanical Engineering IIITDM Kanchipuram





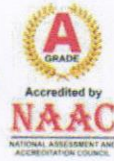
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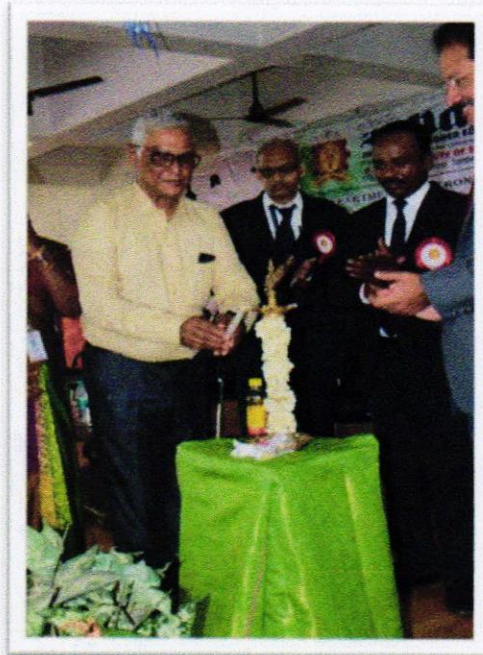
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DEPARTMENT OF AERONAUTICAL ENGINEERING

Website : www.bharathuniv.ac.in



National Conference on recent trends in Aerospace NCRTAT 2019



Our chief guest. Dr. Giridhar G, Deputy Director General MINISTRY OF NEW AND RENEWABLE ENERGY lighting the kuthuvelakku



M. Soodan
Head of the Department



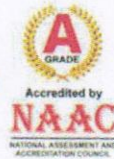
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Academic events details

Odd semester 2019-2020

S.No	Date	Event Name	Topic / Location	Delivered By/ Chief Guest
1	26/09/2019	Guest lecture	Job Opportunities in Aircraft Maintenance	Mr.Sampath, Orient Flight Club
2	21/09/2019	Special Lecture	Civil Service Exam Preparation Guidance	Mr.Manikandan IAS Officer
3	08/08/2019	Guest lecture	Evolution of Communication Spacecraft, The Indian Scenario & Emerging Trends	Shri.T.K.Sundaramurthy, Former Mission Director ISRO


Head of the Department





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Academic events details

Odd semester 2020-2021

S. No.	Resource Person	Designation	Organization/Institution	Date of Lecture
1	Mr. S. Narendar	Scientist 'D'	DRDL - Hyderabad	09/05/2020
2	Mr. Ranganath Ekkundi	Former Deputy Director	U R RAO Satellite Centre, ISRO, Bangalore	16/05/2020
3	Dr. Sharan Asundi	Asst. Professor	Old Dominion University, Norfolk, VA, USA	19/05/2020
4	Dr. Rajkumar.S.Pant	Professor	Department of Aerospace Engineering, IIT Bombay	22/05/2020
5	Mr. J.SivaRamakrishnan	Faculty	Times Group, Chennai	23/05/2020
6	Dr. K. Jayabal	Associate Professor	IITDM Kanchipuram	23/05/2020
7	Mr. J.SivaRamakrishnan	Faculty	Times Group, Chennai	27/05/2020
8	Mr.V. Nandakumar	IRS	Department of Revenue, Government of India	27/05/2020
9	Capt. Manish Gajbhiye	Captain	Spicejet Airlines	30/05/2020
10	Dr. K. Arul Prakash	Professor	Dept of Applied Mechanics - IIT Madras	02/06/2020
11	Mr. P. Kalaiselvan	Founder & CEO	Sphere Tech Innovations, Chennai	05/06/2020
12	Mr. C. Abhishek Reddy & Ms. Swapna Sai Chowdary	Aero Alumnus	Pursuing Higher Studies at La Trobe University, Melbourne, Australia	06/06/2020
13	Mr. Sayan Bhattacharjee	Aero Alumnus	Aerospace Engineer, Sukra Helitek Pvt. Ltd	09/06/2020
14	Mr. T K Sundaramurthy	Ex-Mission Director	ISRO Satellite Center, Bangalore	10/7/2020
15	Dr. Vinod Agarwal	Ex-Mission Director	Ex-Mission Director, ISRO Satellite Center, Bangalore	10/15/2020
16	Dr. Krishnamohan Rao	Head	Aerodynamics Division, DRDL, Hyderabad	10/17/2020
17	Gp. Capt. A Aruchaleswaran	Flight Test Engineer	NFTC, ADA	10/17/2020
18	Mr. C Venkatesh	CFD Consulting Engineer	Japan	11/3/2020
19	Dr Vijay Vinayak Patel	Outstanding Scientist	CLAW, ADA, Bangalore	11/7/2020
20	Mr. T K Sundaramurthy	Ex-Mission Director	Ex-Mission Director, ISRO Satellite Center, Bangalore	12/11/2020





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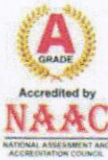
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Selayur Chennai- 600073



Webinar on

Applications of Advanced Finite Element Methods



Dr.K.Jayabal
Associate Professor
IIITDM Kanchipuram

MAY 23, 2020

3.00 pm - 4.30 pm

Organized by

**Department of
Aeronautical Engineering**

Website : www.bharathuniv.ac.in



Awards and Recognitions of Speaker

- ✓ Fellowship from Technical University Dortmund, Germany, 2009-2012
- ✓ Fellowship from Technical University Dortmund, Germany, 2008-2009
- ✓ 'Best Faculty of the Institute' Award from Sri Venkateswara College of Engineering, Sriperumpudur, Chennai, 2005
- ✓ Keynote Speaker at 28th National Convention of Mechanical Engineers, 2012, PSG College of Technology, Coimbatore, India
- ✓ Invited Talk delivered at "National Finite Element Developers Meet" conducted at ISRO, Bangalore, 2017
- ✓ Awarded 'The Overall Best Paper' under Design category at the International Conference held at NIT Warangal, India, 2019



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Selayur Chennai- 600073



Webinar on

"Heat Transfer for Aerospace Applications"

Organized by

**Department of
Aeronautical Engineering**

ABOUT THE SPEAKER

- ✓ More than 20 years of Teaching and Research Experience
- ✓ Published more than 18 International Journals
- ✓ Part of 4 Consultancy Projects (Completed & Ongoing)

JUNE 2, 2020

10.00 am - 11.30 am



Dr. K.Arul Prakash
Professor,
Department of Applied Mechanics,
IIT Madras.

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Bharath Institute of Science and Technology

Selayur Chennai- 600073



Webinar on

Introduction to Composite Manufacturing Techniques



Mr. S. Arun Kumar
Engineering Process Lead,
GKN Aerospace Engine Systems India Pvt Limited

Organized by

**Department of
Aeronautical Engineering**

15 - JUNE 2020

11:00 AM to 12:30 PM

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Speaker



Bharath Institute of Higher Education and Research

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Bharath Institute of Science and Technology

Selayur Chennai- 600073



Webinar on

"Natural Fibre Composites and Possible use of Agro-waste for their production."



Dr. Carlo SANTULLI
Professor,
School of Science and Technology,
Università degli Studi di Camerino,
Camerino, Italy

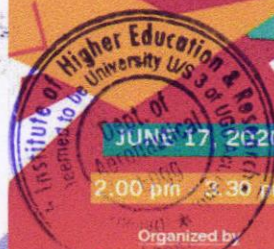
JUNE 17, 2020

2:00 pm - 3:30 pm

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Bharath Institute of Higher Education and Research
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Bharath Institute of Science and Technology
Selayar Chennai- 600073

Webinar on
**INDIAN SPACE PROGRAMME
PRESENT AND FUTURE**



Mr. TK Sundaramurthy
Ex, Mission Director,
ISRO Satellite Centre, Bangalore.

Organized by
Department of
Aeronautical Engineering

October 7, 2020
5.00 PM

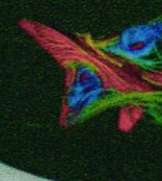
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**INTERNATIONAL
WEBINAR**

**Basic Introduction on
Openfoam for Beginners**



Organized by
Department of
Aeronautical Engineering


Mr. C. Venkatesh
CFD Consulting Engineer
Japan

November 03, 2020
11.00 AM- 12.30 PM

Website : www.bharathuniv.ac.in | Phone : + 91 - 44 - 2229 0742, 2229 0125

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Bharath Institute of Science and Technology
Selayar Chennai- 600073

Celebrating
89th Birthday of Dr. APJ Abdul Kalam
15th October 2020




Programme Schedule

- A Tribute to Missile Man of India
10:00 AM - 10:15 AM
- Dr. M. Sundararam, Head, Aeronautical Dept
- A short film
"Rameshwaram to Delhi"
10:16 AM - 10:45 AM
- Lecture on
"Launching of a Nansatellite"
10:46 AM - 12:15 PM
- Dr. Vinod Agarwal, Ex. Mission Director, ISRO
- Vote of Thanks
12:16 PM
- Dr. S. Flangeven, Dean, Aeronautical Dept

Organized by
Department of
Aeronautical Engineering

Chief Guest




Dr. Vinod Agarwal,
Ex. Group Director, Outstanding Scientist,
Indian Space Research Organization (ISRO),
Bangalore, Karnataka.

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**LIVE
WEBINAR**

**"Challenges in Tejas (LCA) flight control
design, development and Testing"**



Organized by
Department of
Aeronautical Engineering

Dr Vijay Vinayak Patel
Outstanding scientist,
Technology director (CLAW),
Aeronautical development agency (ADA),
Ministry of Defence, Govt. of India,
Bangalore, Karnataka

NOVEMBER 07, 2020
11.00 AM- 12.30 PM

Website : www.bharathuniv.ac.in | Phone : + 91 - 44 - 2229 0742, 2229 0125

* Meeting Details is Available in Microsoft teams



Mr. Soojy
Head of the Department



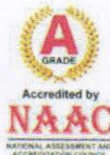
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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF AERONAUTICAL ENGINEERING

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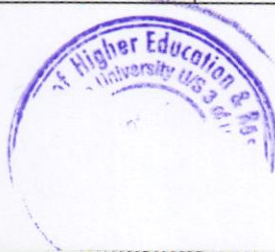


Program – B.Tech Aeronautical Engineering

Academic events details

Even semester 2020-2021

S.No	Topic	Details of Resource person	Date	Contact
1	Importance of Technical Publication in Industry companies Involved in Technical Publication Growth in Industry	Mr.R.R.Elangovan Mr.Tamilarasu Kaliannan	24.12.2020 @ 11:00AM	+91-9916442424 +91-9941197811
2	Redefining my Aviation dream	Mr.Naresh S Solipur, CEO and Founder of Ziegler Aerospace,Hyderabad	20.02.2021 @ 10:30AM	webinar@ziegler-aerospace.co.uk
3	Career After Aeronautical Engineering in India and Abroad	Mr.Mohammed Arbar Nizami, CEO & Founder, GATE Pathashala Educational Services LLP	01.03.2021 @ 11:00AM	9962996817
4	IDP Virtual International Educational Webinar	Ms. Ranjitha Shetty, Ms.Jaikala Rani, Ma.Vidhya Balasubramaniam, Mr. Rajesh Ravichandran	05.03.2021 @ 10:30AM	rajesh.ravichandran @idp.com
5	Airworthiness-Aircraft Type Certification Process	Ms. Ramya Rajendran, Design Assurance Engineer, Alstom UK, Derby	08.03.2021 @ 4:30PM	ramya_pushpa@yahoo o.co.in
6	Latest Trends in CAD/CAM/CAE/CFD Techniques Used in Aero Industries	PG.Ramanan, Director, CADDAM Technologies Pvt.Ltd, Chennai	15.03.2021 @ 2.30Pm	+919840385502 ramananpg@yahoo.co.in
7	Acoustic Emission Techniques and Its Applications	R. Gopikrishna, Scientist-D, Defense Research &	20.03.2021 @ 10:00AM	tisipog557@gmail.com





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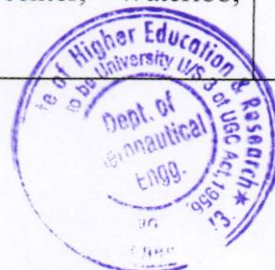
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		Development Laboratory (DRDL), Hyderabad		
8	Solar Powered Airships	Dr.Rajkumar. S.Pant,Professor,Department of Aerospace,Engineering,IITBombay	26.03.2021 @ 11:00AM	rkpant@aero.iitb.ac.in
9	Gas Dynamics & High Temperature Gas Dynamics	Dr. Muruganandam TM Professor Department of Aerospace Engineering, IIT Madras	27.03.2021 @ 9:30AM	murgi@ae.iitm.ac.in
10	Opportunities for Higher Studies in Aerospace at UK & Ireland and Tips for IELTS Preparation	Fatech Education Consultancy, Chennai	08.04.2021 @ 1:30PM	ranjit@fateheducation.com
11	Role of Leadership in Marketing	Mr.V.Thyagavel, General Manager-Marketing Manatec Eletronics pvt ltd Puducherry	15.05.2021 @ 04;00PM	thagavel@manatec.in
12	CFD: Approach, Applications & Future Aspects	Dr.Brajesh Tirupathi, Associate Professor, department of Aeronautical Engineering, Rajasthan Technical University, Kota	02.06.2021 @ 11.00am	btirupathi@rtu.ac.in
13	Skill Development: Learning Quadcopter Controls and Robotics	Mr.Ankit Jaiswal-CEO from Qwings Dr.K.Siddhardha- Expert quadcopter,Uttarkhand	07.06.2021 @ 01:00pm	ankit.jaiswal@qwins.in
14	Fundamentals of combustion and propulsion Systems	Dr. Arun Balakrishnan, Engine calibration Engineer, John Deere Power systems, product engineering center, Waterloo, Lowa, USA	09.06.2021 @09:00am	arunaero89@gmail.com





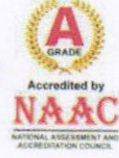
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15	Product Design Based on Computer Aided Engineering Techniques	Mr.Thillai Lakshmi Venkatesh, Technical Manager, TATA Aerospace and Defence Pvt.Ltd, Bengaluru	10.06.2021 @09.30am	tlvenkatesh@tataadvancesdsystems.com
16	Fundamentals of Constitution of India	Mr.Saleem Ahmad, Assistant Professor, Department of Law, Bharath Institute of Law	11.06.2021 @09.30-10.30am & 02.00-03.00pm	saleemahmedma@gmail.com 9994666366
17	Bio-inspired Aerodynamics	Dr.D.J.Bruce Ralphin Rose, Associate Professor, Department of Aeronautical Engineering, Anna University, Tirunelveli	11.06.2021 @11.00am	bruce@auttl.ac.in
18	Critical systems of launch vehicles and satellites	Mr.Sumod Kurup, Manager-Business Development, AADYAH Aerospace Pvt Ltd., Bengaluru	12.06.2021 @10.00am	sumod.kurup@aadyah.com
19	Fundamentals of Constitution of India	Mr.Saleem Ahmad, Assistant Professor, Department of Law, Bharath Institute of Law	12.06.2021 @ 12.00-01.00pm	saleemahmedma@gmail.com 9994666366



M. Sood



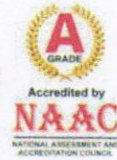
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DEPARTMENT OF AERONAUTICAL ENGINEERING

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Webinar on
"Acoustic Emission Technique and It's Applications"




Shri. R. Gopikrishna
Scientist-D,
Defence Research & Development Laboratory (DRDL),
Defence Research & Development Organisation (DRDO),
Ministry of Defence,
Government of India, Hyderabad.

Microsoft Teams
MARCH 20, 2021
10.00 am - 11.30 am

Organized by
Department of Aeronautical Engineering

Website : www.bharathuniv.ac.in

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IDP Virtual International Education Webinar

05th March 2021- 10.30AM

Organized by: Department of Aeronautical engineering



PASSPORT
STUDY ABROAD


Speakers:
Ms.Ranjitha Shetty
Ms.Jaikala Rani M
Ms.Vidhya Balasubramaniam
Mr.Rajesh Ravichandran
IDP- Managers

UK & IRELAND | USA | CANADA

Phone: + 91 - 44 - 2229 0742; 2229 0125
Website : www.bharathuniv.ac.in

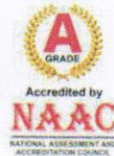
* Meeting Details is Available in Microsoft teams




Head of the Department



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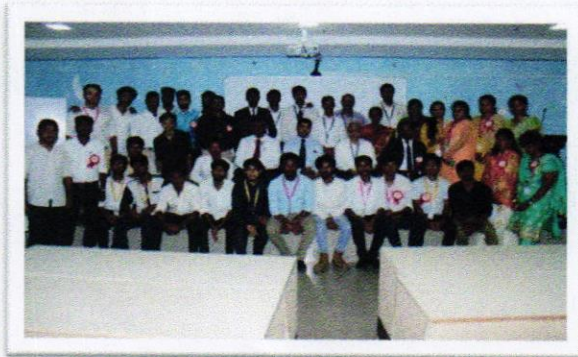


Program – B. Tech Aeronautical Engineering

Conference Details

Date of Event 29.03.2019

Name of Conference National Conference on Recent trends in Aerospace NCRTAT 2019



National Conference on recent trends in Aerospace NCRTAT 2019



Our chief guest. Dr.Giridhar G, Deputy Director General MINISTRY OF NEW AND RENEWABLE ENERGY lighting the kuthuvelakku



M. Soodhy
Head of the Department



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
No.173, Agharam Road, Selaiyur, Chennai - 600 073.



DEPARTMENT OF AERONAUTICAL ENGINEERING

Phone: 044 2229 0125 / 2229 9007 Mob: +91 9840844425 Fax: 91 044 22299005
Mail: hodaero@bharathuniv.ac.in

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

25 Feb 2019

HEAD

Submitted to The Vice-Chancellor

Respected Sir,

Sub: Approval for conducting National Conference – Reg.

We are planning to organize a national conference titled “National Conference on Recent Trends in Aerospace Technology” (NCRTAT’19) on 29th March 2019. The list of panel members of organizing committee (Annexure-I), details of Budget (Annexure- II) for the above mentioned conference is enclosed herewith for your kind perusal. It is requested that permission may kindly be accorded for the conduct of the conference.

Thanking you,

Yours Sincerely

M. Sundararaj
25/02/2019

Dr. M. Sundararaj

Recommended / Not recommended

[Signature]
Dean – Engineering

Recommended / Not recommended

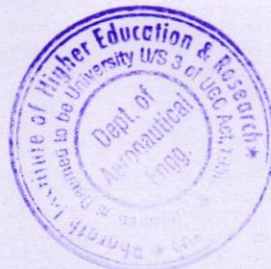
Rs 50000/-

[Signature]
Director

25/02/19

Recommended / Not recommended

[Signature]
Additional Registrar



Approved / Not approved

[Signature]
Vice – Chancellor

27/02/19



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Mail: hodaero@bharathuniv.ac.in



Annexure-I

National Conference - Organizing Committee

Chief Patron

Dr.S.Jagathrakshakan
Founder Chairman

Patrons

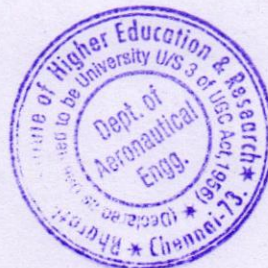
Dr. J. Sundeeep Aanand - President, BIHER
Dr. Swetha Sundeeep Aanand - Managing Director, BIHER

Advisory Committee

Dr. V. Kanagasabai- Vice Chancellor, BIHER
Dr. S. Bhuminathan-Registrar, BIHER
Dr.J.Hameed Hussain-Dean Engg, BIHER
Dr R Hariprakash-Additional Registrar, BIHER
Dr. R. Venkatesh Babu-Dean Academics, BIHER
Dr.M.Sundararajan-Dean Research & Development, BIHER
Dr. E. Rathakrishnan, Prof., Aerospace Engg, IIT Kanpur
Dr.R.Kalimuthu, Scientist, ISRO Propulsion Complex, Tirunelveli.
Dr. S. Selvirajan, Chief Scientist, SERC, CSIR, Chennai
Dr .S.B.Verma, Head, EAD, NAL, Bengaluru
Dr .B. Raghavan, Prof, Mechanical Engg, IIT Madras
Dr. S.Thanigaiarasu, Prof & Head, Aerospace Engg, MIT, Chennai

Organizing Committee

Dr. M. Sundararaj, Professor & Head - Convenor
Dr. S. Elangovan, Prof. & Dean.,
Dr. C. Suresh Kumar, Asso.Prof.,
Mr. D. Hasen, Asst. Prof,
Mr. M. Syedhaleem, Asst.Prof.,
Mrs. P. Divyabarathi, Asst.Prof.,
Mr. S. R.Vimal Raj, Asst.Prof.,
Mr. A. Adaikalaraj, Asst.Prof
Mr. N. Kalaimani, Asst.Prof.,
Mr. R. Nallappan, Asst.Prof.,
Mr. R. Karthikeyan, Asst.Prof,





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Annexure-II

Budget for the Conference

Based on No of Participants – 100 participants

Description	Amount
Snacks for Students and Participants(Rs.30 per head)	Rs.3000.00
Printing of certificates	Rs.2000.00
Printing of Invitation	Rs.2000.00
Printing of ID cards and Tags	Rs.1500.00
Stationery kit	Rs.2500.00
Food for Participants (Rs.100 per head)	Rs.10000.00
Banners	Rs.5000.00
TA/DA for Chief Guests	Rs.10000.00
Momento for Chief Guests	Rs.10000.00
Decoration	Rs.5000.00
Prizes for participants	Rs.15000.00
Total	Rs.66,000.00

Rs 66000/-



National Conference on Recent Trends in Aerospace Technology (NCRATAT'19)
29th March 2019
Registration Form

Name :
 Designation :
 Affiliation :
 E-Mail ID :
 Contact No :
 Gender : Male / Female
 Accommodation : Required / Not Required
 Registration Category:
 (Student/Academician/Research Scholar/Industrialist/Scientist)
 Registration Fee : 1000 / 1500 / 2500 INR
 D.D.No./Online Transaction ID :
 Bank Name :
 DD/Transaction Date :
 Signature of Applicant :

Important Dates

Abstract Submission Deadline : 15 March 2019
 Notification of Acceptance : 22 March 2019
 Full Paper Submission : 25 March 2019
 Registration Deadline : 20 March 2019
 Conference Date : 29 March 2019

Registration

Interested participants are requested to communicate their research articles along with the registration form. The article should be in **IEEE format** and mailed to nccratat19@bharathuniiv.ac.in.
The selected peer reviewed articles will be published in the Scopus indexed journal with an additional charge.

Registration Fee

Students : 1000 INR
 Academicians /
 Research Scholar : 1500 INR
 Industrialist/Scientists : 2500 INR

Account Details

Account Name : Dr. APJ Abdul Kalam Research Center for Aerospace Technology
 Account No : 4557002100001744
 Bank Name : Punjab National Bank
 Branch : BIHER, Selaipur
 IFSC : PUNB0455700

Transport and Accommodation

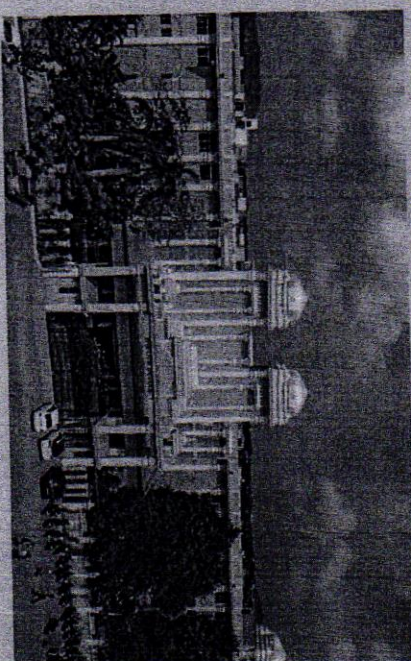
Accommodation & Transport will be provided based on the request made before 20th MARCH 2019. University buses are available from different parts of the city that go through the Airport and Major Railway stations.

Contact Information

Mr. D. Hasen, Asst.Prof/Aero
hasen.aero2010@gmail.com
 9965662274

National Conference on Recent Trends in Aerospace Technology (NCRATAT – 2019)

Trends in Aerospace Technology (NCRATAT – 2019)



29th March 2019



Organized by

Department of Aeronautical Engineering

Bharath Institute of Higher Education and Research

(Declared as Deemed - to -be -University under section 3 of UGC Act, 1956)

173, Agaram Road, Selaipur, Chennai - 600073

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Signature of the Head of the Institution with Seal



About the Institution

Bharath Institute of Science & Technology (BIST) was established in the year 1984 as the first self financing Engineering College in Tamil Nadu under the aegis of Sri Lakshmi Ammal Educational Trust. Bharath Institute of Higher Education & Research (BIHER) was declared as a deemed to be university by The University Grants Commission under the section 3 of UGC Act, 1956 in the year 2002. Later BIST was brought under the ambit of BIHER as a constituent institute in the year 2003. BIHER aims to impart higher education in Science and Technology, Medicine, Dentistry, Nursing, Physiotherapy and Law to the aspiring students so that they can emerge as competent professional of repute. The institute is committed to the grand task of providing quality education, which will transform the students into efficient and successful careerist. Students who have graduated from BIST are serving in various responsible positions in India and abroad.

About the Department

The Aeronautical engineering department was established in the year 2012. The department has a team of highly qualified, dedicated and motivated faculty and well equipped laboratories. Keeping in mind, the rapid strides our country is making in the field of Aerospace Technology, B.Tech Aerospace Engineering was started in the year 2016. The Aeronautical & Aerospace Engineering department has well established Laboratories and Research facilities such as high performance computer facilities and software (ANSYS, CATIA and MIDDAS NEX), low-speed wind tunnel, computer controlled UTM, high speed jet facility, grounded jet aircraft, propeller aircraft, sectioned Tumansky R-13 Jet engine, piston engine, flight simulator facility etc..

Conference Objectives

The main objective of the conference is to bring together leading academic scientists, researchers, practising engineers, research scholars, students and industrialists from different parts of our country to exchange and share their ideas, experience and research findings related to all aspects of recent development in Aerospace Technology. Another prime objective is to discuss new ideas, challenges encountered and the solutions adopted, so as to facilitate emergence of innovative ideas and indigenous technologies in our country. The Conference is planned to be combined with focused tutorial sessions where the leading experts in the field will deliver lectures on aerodynamics, propulsion, structures and general aviation. We hope that the conference proceedings would contribute significantly to the existing knowledge base in the field of Aerospace Technology. The accepted paper will be published in any one of the Scopus indexed journal with an additional charge.

Conference Topics

There are no restrictions towards particular area of aerospace technology. All innovative ideas are appreciated. The following topics are of special interest for the conference.

- Advanced Propulsion systems
- Computational Fluid Dynamics
- Composite Materials, Nano composites, Smart Structures
- Nano - Technology in Aerospace Engineering
- Finite Element Analysis, Vibrations & Aero Elasticity
- High Speed Jets, Aero Acoustics
- Launch Vehicles & Reentry Vehicles
- Advanced Avionics Systems
- Unmanned Aerial Vehicles
- Challenges in Space Missions

Conference Secretariat

Chief Patron

Dr.S.Jagathrakshakan

Founder Chairman

Patrons

Dr. J. Sundeeep Aanand - President, BIHER

Dr. Swetha Sundeeep Aanand - Managing Director, BIHER

Advisory Committee

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Dr. S. Bhuminathan-Registrar, BIHER

Dr. E. Rathakrishnan, Prof., Aerospace Engg., IIT Kanpur

Dr. S. Selvirajan, Chief Scientist, SERC, CSIR, Chennai

Dr. S.B. Verma, Head, EAD, NAL, Bengaluru

Dr. B. Raghavan, Prof, Mechanical Engg, IIT Madras

Dr. S. Vengadesan, Prof, Applied Mechanics, IIT Madras

Dr. B. T. N. Sridhar, Prof, Aerospace Engg, MIT, Chennai

Dr. R. Dhanaraj, Prof, Aerospace Engg, MIT, Chennai

Dr. S. Jayavel, Asso. Prof, IITDM, Kanchipuram

Convenor

Dr. M. Sundararaj, Prof & Head

Co-Ordinator

Mr. D. Hasen, Asst. Prof.

Organizing Committee

Dr. S. Elangovan, Prof. & Dean,

Dr. C. Suresh Kumar, Asso. Prof.,

Mr. M. Syedhaleem, Asst. Prof.,

Mrs. P. Divyabarathi, Asst. Prof.,

Mr. S. R. Vimal Raj, Asst. Prof.,

Mr. A. Adakalaraj, Asst. Prof.

Mr. N. Kalaimani, Asst. Prof.,

Mr. R. Nallappan, Asst. Prof.,

Mr. R. Karthikeyan, Asst. Prof.,





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The Management of BIHER, Staff and Students of
AERONAUTICAL ENGINEERING DEPARTMENT

Cordially invite you to the inauguration of

NATIONAL CONFERENCE ON RECENT TRENDS IN AEROSPACE TECHNOLOGY

NCRTAT— 2019

CHIEF GUEST

Dr.G.Giridhar M.Sc. PhD.

Deputy Director General And Division Head
Renewable Energy Project / SRRA
National Institute of Wind Energy (NIWE)
Ministry of New And Renewable Energy
Government of India

Dr.M.Sundararaj

HOD — Aero & Convener

Dr.S.Elangovan

Dean— Aero

NCRTAT 19

With the blessings of

Dr.S.Jagathrakshakan,D.Litt

Founder Chairman

Dr. Sundeep Aanand, M.S. Ph.D.

President, BIHER

Dr.Swetha Sundeep Aanand, M.B.A

Managing Director, BIHER

Dr.V.Kanagasabai MD,MBA

Vice-Chancellor, BIHER

Will deliver the presidential address

Felicitation by

Dr.S.Bhuminathan, MDS,FRCS

Registrar

Dr.K.P.Thooyamani

Pro vice-chancellor

Dr.R.Hariprakash

Additional Registrar

Dr.J.Hameed Hussain

Dean Engineering

Dr.R.Venkatesh Babu

Dean Academics

Dr.M.Sundararajan

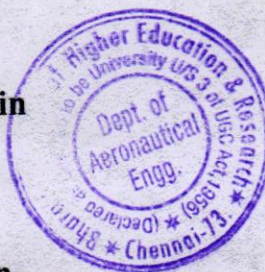
Dean R&D

Prof.S.Thiyagarajan

Director

Mr.J.Rajashekar

Administrative Officer



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
173, Agaram Road, Selaiyur, Chennai—600073



Department of Aeronautical Engineering

NCRIAT 2019

29th March 2019

Participant ID

Name :

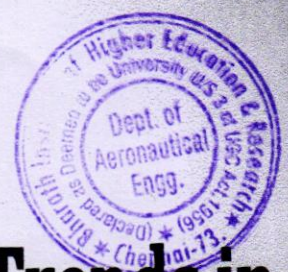
Institution :





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Proceedings of the National Conference on Recent Trends in Aerospace Technology (NCRTAT) - 2019

Organized by

Department of Aeronautical Engineering

Bharath Aeronautics

29th March 2019

Bharath

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Mail: hodaero@bharathuniv.ac.in



National Conference on Recent Trends in Aerospace Technology (NCRAT) 2019

List of Papers Received for the Conference

Aerodynamics Panel

S. No.	Participant Name (s)	Affiliation	Presentation Topic
1	Amal Manoj Madhav S J Mohammed Thoufeek T ShahmasShafeek Noufal N S	Department of Aeronautical Engineering, ACE College of Engineering, Thiruvananthapuram, India	Simulation of Atmospheric Boundary Layer using Passive Simulation Technique
2	Vipin E Sruthi P S Akshara R V Asarudeen S Dr. Raman Balu	Department of Aeronautical Engineering, ACE College of Engineering, Thiruvananthapuram, India	Numerical Method for The Boundary Layer Problems of Non-Newtonian Fluid Flows Moving along a Flat Plate
3	Senthil Kumar M Hasen D Vijayanandh R Prabhakaran P Balaji S Raj Kumar G	Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore, India	Numerical investigation on Aerodynamic Performance of Plain Flaps
4	Akshay P Jeffrey Santhosam M Surekha Rathi Samundi D	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Design of a .50 Calibre Bullet with Fin Induced Spin
5	Arul Prakash R Ramesh M Vijayanandh R Thianesh U K Balaji S Hasen D	Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore, India	Investigation of Gravitational Vortex Hydropower (GVHP) using Computational Fluid Dynamics Approach
6	Jijo Philip Varghese Muthukumar M Gopinath S Jedidiah Paul Raj	Department of Aeronautical Engineering, KCG College of Technology, Chennai, India	Experimental Investigation on MAV with Flapping Insect Wings



	Syam Narayanan S		
7	Krishnaveni Ramamoorthy Veeramankandan Ramachandiran	Department of Aeronautical Engineering, Hindusthan college of Engineering and Technology, Coimbatore, India	Experimental investigation of Smoke Tunnel Static Test on Counter Rotating Propellers for High Altitude Aircraft
8	S. Gayathri J. Manisha Kumari G. Srikala, N. Rajamurugu	Department of Aeronautical Engineering, Apollo Engineering College, Chennai	Effects of Surface Roughness on NACA 2412 Airfoil
9	M. Sobin Raj K. S. Swathith M. Syedhaleem	Department of Aeronautical Engineering, Bharath Institute of Higher Education and Research, Chennai, India	Effect of Edge Modifications on Building Aerodynamics
10	Mohammed Roshan Sharafudeen Gayathri P H Eby S Mohan Shibin S Raj Muhammed Ahnaf	Department of Aeronautical Engineering, ACE College of Engineering, Thiruvananthapuram, India	CFD Analysis of NACA 2204 for Enhanced Lift Generation using Flaps
11	Vijayanandh R Balaji S P. Prabhakaran Ramesh M Senthil Kumar M Hasen D	Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore, India	Numerical Estimation of Ultimate Specification of Advanced Multi-Rotor Unmanned Aerial Vehicle
12	R. Abilash G. Kishore S. Saivignesh D. L. Vasthadu Vasu Kannah	Department of Aeronautical Engineering, Tagore Engineering College, Rathinamangalam, India	Water Flow Visualization Studies over Aerodynamic Bodies
13	S. Mahendran R. Asokan Ashutosh Kumar Vitika Ria S. Jayadeep	Department of Aeronautical Engineering, Hindustan Institute of Technology and science, Padur, Chennai, India	Design and analysis of flapping wing UAV using numerical approach
14	Ishant Dubey Bojja Manoj Kumar	Department of Aeronautical Engineering, Bharath Institute of Higher Education and Research, Chennai, India	A Small Unmanned Flapping Wing Air Vehicle
15	Bazil MH Renjith Besanio Mohammed Ashiq S Renjith R A Dr. Raman Balu Eswaran R	Department of Aeronautical Engineering, ACE College of Engineering, Thiruvananthapuram, India	Shape Optimization of Airfoil Using Genetic Algorithm
16	Gopikannan S Nandhakumar P Rajamurugu N	Department of Aeronautical Engineering, Apollo Engineering College, Chennai, India	Experimental Analysis of Low Rise Gable Roof Building



Propulsion Panel

S. No.	Participant Name (s)	Affiliation	Presentation Topic
1	Monika.S Nabanita Haldar	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Study of Wax Based Solid Fuels for Hybrid Rocket Motor
2	GpCapt. A Arunachaleswaran Dr. S. Elangovan Dr. M. Sundararaj	Flight Test Crew, National Flight Test Centre, Aeronautical Development Agency and Research Scholar in Bharath Institute of Higher Education and Research, Chennai	RAM Air Turbines-An Auxiliary Power Source
3	Pavan Ranjith Babu. D. K Saranya. G	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Aeroacoustic Characterization of an Under-Expanded Rectangular Injector Nozzle
4	Surekha Rathi Samundi Keerthana D Guru Vishali	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Investigation of Aerodynamic Characteristics of Double V Nozzle with Jet Interactions
5	Devanandh Hari Prasath Dr. Suresh Chandra Khandai	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Design Optimization of Single Expansion Ramp Nozzle using Computational method
6	Elangovan Ramasamy Veeramankandan Ramachandiran	Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology, Coimbatore, India	Computational Analysis of Heat Transfer Characteristics on Reentry Module
7	S. Kevin Bennett R. Naren Shankar S. Elangovan	Department of Aeronautical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, India	Experimental and Numerical Studies of Co-Flowing Jets with Finite Lip Thickness and Varying Bypass Ratio
8	S. Kevin Bennett R. Naren Shankar	Department of Aeronautical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, India	Numerical Studies on Co-Flowing Jet with Varying Lip Thickness and Constant Bypass Ratio
9	C. Rajaravi L. Santhosh R. Iyappan A. Annaidasan	Department of Mechanical Engineering, Veltech Multitech Dr. RR Dr. SR Engineering College, Chennai, India	Thermal Analysis of Cylinder Liner in C.I Engine with Different Materials
10	Ezhilmaran G Suresh Chandra Khandai Yogesh Kumar Sinha M Natchiappan	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Design and Fabrication of Monopropellant Micro Thruster for Micro Satellite
11	Prasad Reghuvaran Vinayak M K Safcer A K Akshay Deva Irshad Ahemmed	Department of Aeronautical Engineering, ACE College of Engineering, Thiruvananthapuram, India	Enhancement of After Burner Combustion Efficiency by Using Swirl Flow
12	Kannan G Monica S Surendra Bogadi	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Thrust Loss Minimization of Injector Nozzle



Structures Panel

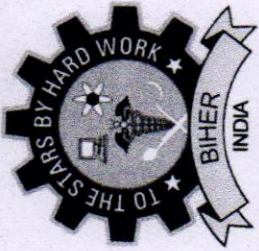
S. No.	Participant Name (s)	Affiliation	Presentation Topic
1	Vijayanandh R Venkatesan K Hasen D Raj Kumar G Senthil Kumar M Ramesh M Prasanraj S Sreejish B. S Vincy Jarome Y N. Maheswaran Dr. K. P. Dhanabalakrishnan	Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore Department of Aeronautical Engineering, Hindusthan Institute of Technology, Coimbatore, India Department of Aeronautical Engineering, KCG College of Technology, Chennai, India	Optimization of Multi-Layer CFRP Composite Material based on Structural Analysis Advanced Composite Materials in CRYO-Tank Effect of Impact on Vibration Characteristics of Composites
2	Yassar Shaikh A. Jaya Babu	Department of Mechanical Engineering, VI Institute of Technology, Chengalpattu, India	Experimental Investigation of Composite Brake Pads
3	R. Ruban M. Sakthivel K. Udayakumar M. Udhayakumar S. K. Vignesh	Department of Aeronautical Engineering, ACE College of Engineering, Thiruvananthapuram, India	Structural Analysis of F-16 Landing Gear Strut
4	Robin John Sujan Miranda Vishnu Sudhakar Newton V	Department of Aeronautical Engineering, Apollo Engineering College, Chennai, India	Comparison of Vibration Characteristics of Synthetic, Natural and Hybrid Composite Laminates
5	M. Deepika M. Manimozhi S. Nisha N. Rajamurugu	Department of Aeronautical Engineering, Hindusthan Institute of Technology, Coimbatore, India	Development of a Material Selection Process in Engineering Design and Manufacturing for Helicopter Gear
6	Ashok Balaji T Elanchezian M Harish Kumar P Murugan S Maheswaran N	Department of Aeronautical Engineering, Bharath Institute of Higher Education and Research, Chennai	Experimental Study of Environmental Effects on Fiber Composite Materials
7	D. Arunkumar R. Anbarasan D. Vinodkumar K. Ashok Kumar Reddy P. Divyabarathi	Department of Aeronautical Engineering, KCG College of Technology, Chennai	Hygro Thermal Testing of Carbon Nano Tubes (CNT) Toughened Glass Fibre Composites
8	Manthagini J Gowtham M Gopikasri R Vinod Kumar B	Department of Aeronautical Engineering, Bharath Institute of Higher Education and Research, Chennai, India	Effect of Kevlar Thread Stitching in Chopped Glass/Epoxy Composite Laminates
9	R. Vishnu Varadhan Naidu P Parthu Sree P Hanumanth Rao Rohan Sreekar Reddy Sai Yashwanth		

11	Hrushith Prasad K Nirmal Venkat Prasad Y Madhava P Saptharish G Dr. Venkatnarayanan P S	School of Aeronautical Sciences, Hindustan Institute of Technology and Science, Chennai, India	Fabrication of CNT infused GFRP Hollow Box Beam
12	Yaswanth Reddy A Sri Harsha R Rishab P	Department of Aeronautical Engineering, Hindustan Institute of Technology and Sciences, Chennai, India	Mechanical Behaviour of GLARE Sandwich Structures

Avionics and General Panel

S. No.	Participant Name (s)	Affiliation	Presentation Topic
1	Monishwar M Naveen Kumar R Yashwin Kumar S Karthikeyan	Department of Electrical and Electronics Engineering, KCG College of Technology, Chennai, India	Location Based Speed Limiter for Electric vehicle
2	Ajitha. G Elakkiya. S Fathima Farhana. K. A Sivakumar. V	Department of Computer Science and Engineering, National Engineering College, Kovilpatti, India	Vehicle Monitoring System
3	K. Sangeetha Mahato A. Uma Mageswari J. Sowmiya K. Chitti Babu	Department of Information Technology, R.M.K. Engineering College, Chennai, India	Smart Water Monitoring and Controlling System
4	Surendar Kumar .V Kishanth. B. Y	Department of Aeronautical Engineering, Rajalakshmi Engineering College, Thandalam, India	Drone Bot





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National Conference on Recent Trends in Aerospace Technology 29th March 2019 Certificate

This is to certify that Dr./Mr./Ms. _____

from _____ has presented the paper titled,

in the “National Conference on Recent Trends in Aerospace Technology 2019”, organized by the
Department of Aeronautical Engineering on 29th March 2019.

Co-Author (s): _____



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National Conference on Recent Trends in Aerospace Technology (NCRAT) 2019

Presentation - Venue: Aero Smart Room

Aerodynamics Panel

S. No.	Participant Name (s)	Presentation Topic	Marks			
			PPT (10)	Delivery (10)	Novelty (10)	Total (30)
1	Amal Manoj Madhav S J Mohammed Thoufeek T Shahnas Shafeek Noufal N S	Simulation of Atmospheric Boundary Layer using Passive Simulation Technique	A	5	3	12
2	Vipin E Sruthi P S Akshara R V Asarudeen S Dr. Raman Balu	Numerical Method for The Boundary Layer Problems of Non-Newtonian Fluid Flows Moving along a Flat Plate	8	6	5	19
3	Senthil Kumar M Hasen D Vijayanandh R Prabhakaran P Balaji S Raj Kumar G	Numerical investigation on Aerodynamic Performance of Plain Flaps	3	3	2	8
4	Akshay P Jeffrey Santhosam M Surekha Rathi Samundi D	Design of a .50 Calibre Bullet with Fin Induced Spin	8	9	9	26
5	Arul Prakash R Ramesh M	Investigation of Gravitational vortex Hydropower (GVHP) using Computational Fluid Dynamics Approach				



26	Vijayanandh R Thianesh U K Balaji S Hasen D Jijo Philip Varghese Muthukumar M Gopinath S Jedidiah Paul Raj Syam Narayanan S	Experimental Investigation on MAV with Flapping Insect Wings	7	8	7	22
7	Krishnaveni Ramamoorthy Veeramaniandan Ramachandiran	Experimental investigation of Smoke Tunnel Static Test on Counter Rotating Propellers for High Altitude Aircraft				
8	S. Gayathri J. Manisha Kumari G. Srikala, N. Rajamurugu	Effects of Surface Roughness on NACA 2412 Airfoil				
9	M. Sobin Raj K. S. Swathith M. Syedhaleem	Effect of Edge Modifications on Building Aerodynamics				
10	Mohammed Roshan Sharafudeen Gayathri P H Eby S Mohan Shibin S Raj Muhammed Ahnaf	CFD Analysis of NACA 2204 for Enhanced Lift Generation using Flaps				
11	Vijayanandh R Balaji S P. Prabhakaran Ramesh M Senthil Kumar M Hasen D	Numerical Estimation of Ultimate Specification of Advanced Multi-Rotor Unmanned Aerial Vehicle	5	4	5	14
12	R. Abilash G. Kishore S. Saivignesh D. L. Vasthadu Vasu Kannah	Water Flow Visualization Studies over Aerodynamic Bodies				
13	S. Mahendran R. Asokan Ashutosh Kumar Vitika Ria S. Jayadeep	Design and analysis of flapping wing UAV using numerical approach				
14	Ishant Dubey Bojja Manoj Kumar	A Small Unmanned Flapping Wing Air Vehicle				



26

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III

15	Bazil MH Renjith Besanio Mohammed Ashiq S Renjith R A Dr. Raman Balu Eswaran R	Shape Optimization of Airfoil Using Genetic Algorithm				
16	Gopikannan S Nandhakumar P Rajamurugu N	Experimental Analysis of Low Rise Gable Roof Building				

Propulsion Panel

S. No.	Participant Name (s)	Presentation Topic	Marks			
			PPT (10)	Delivery (10)	Novelty (10)	Total (30)
1	Monika.S Nabanita Haldar	Study of Wax Based Solid Fuels for Hybrid Rocket Motor				
2	GpCapt. A Arunachaleswaran Dr. S. Elangovan Dr. M. Sundararaj	RAM Air Turbines-An Auxiliary Power Source				
3	Pavan Ranjith Babu, D. K Saranya. G	Aeroacoustic Characterization of an Under-Expanded Rectangular Injector Nozzle	8	8	7	23
4	Surekha Rathi Samundi Keerthana D Guru Vishali	Investigation of Aerodynamic Characteristics of Double V Nozzle with Jet Interactions	7	8	7	22
5	Devanandh Hari Prasath Dr. Suresh Chandra Khandai	Design Optimization of Single Expansion Ramp Nozzle using Computational method	7	6	5	18
6	Elangovan Ramasamy Veeramanikandan Ramachandiran	Computational Analysis of Heat Transfer Characteristics on Reentry Module				
7	S. Kevin Bennett R. Naren Shankar S. Elangovan	Experimental and Numerical Studies of Co-Flowing Jets with Finite Lip Thickness and Varying Bypass Ratio	5	4	5	14

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5	8	S. Kevin Bennett R. Naren Shankar	Numerical Studies on Co-Flowing Jet with Varying Inlet Thickness and Constant Bypass Ratio	5	4	5	14
12	9	C. Rajaravi L. Santhosh R. Iyappan A. Annaidasan	Thermal Analysis of Cylinder Liner in C.I Engine with Different Materials	5	4	5	14
8	10	Ezhilmaran G Suresh Chandra Khandai Yogesh Kumar Sinha M Natchiappan	Design and Fabrication of Monopropellant Micro Thruster for Micro Satellite				
11	11	Prasad Reghuvaran Vinayak M K Safeer A K Akshay Deva Irshad Ahemmed	Enhancement of After Burner Combustion Efficiency by Using Swirl Flow				
11	12	Kannan G Monica S Surendra Bogadi	Thrust Loss Minimization of Injector Nozzle	8	8	7	22





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National Conference on Recent Trends in Aerospace Technology (NCRTAT) 2019

Presentation – Venue: CSE Smart Room

Structures Panel

S. No.	Participant Name (s)	Presentation Topic	Marks			
			PPT (10)	Delivery (10)	Novelty (10)	Total (30)
1	Vijayanandh R Venkatesan K Hasen D Raj Kumar G Senthil Kumar M Ramesh M	Optimization of Orientation of Multi-Layer CFRP Composite Material based on Structural Analysis	5	5	6	16
2	Prasanraj S Sreejish B. S Vincy Jarome Y N. Maheswaran Dr. K. P. Dhanabalakrishnan	Advanced Composite Materials in CRYO-Tank	6	6	6	18
3	Yassar Shaikh A. Jaya Babu	Effect of Impact on Vibration Characteristics of Composites	7	7	8	22
4	R. Ruban M. Sakthivel K. Udayakumar M. Udhayakumar S. K. Vignesh	Experimental Investigation of Composite Brake Pads				
5	Robin John Sujan Miranda Vishnu Sudhakar	Structural Analysis of F-16 Landing Gear Strut	4	4	4	12

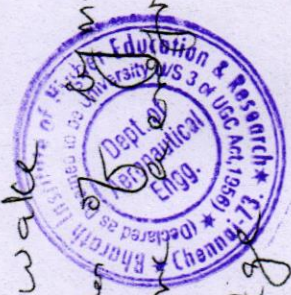


Newton V						
6	M. Deepika M. Manimozhi S. Nisha N. Rajamurugu Ashok Balaji T Elanchezian M Harish Kumar P Murugan S Maheswaran N D. Arunkumar R. Anbarasan D. Vinodkumar K. Ashok Kumar Reddy P. Divyabarathi Manthagini J Gowtham M Gopikasri R Vinod Kumar B R Vishnu Varadhan Naidu P Pardhu Sree P Hanumanth Rao Rohan Sreekar Reddy Sai Yashwanth Hrushith Prasad K Nirmal Venkat Prasad Y Madhava P Saptharish G Dr. Venkatnarayanan P S Yaswanth Reddy A Sri Harsha R Rishab P	Comparison of Vibration Characteristics of Synthetic, Natural and Hybrid Composite Laminates Development of a Material Selection Process in Engineering Design and Manufacturing for Helicopter Gear Experimental Study of Environmental Effects on Fiber Composite Materials Hygro Thermal Testing of Carbon Nano Tubes (CNT) Toughened Glass Fibre Composites Effect of Kevlar Thread Stitching in Chopped Glass/Epoxy Composite Laminates Fabrication of CNT infused GFRP Hollow Box Beam Mechanical Behaviour of GLARE Sandwich Structures	5	4	5	14
7						
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11			5	5	5	15
12			6	6	7	19

13. Water flow water
determination of fibre
of asymmetric fibre
0.5" width

5 4 4 13

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National Conference on Recent Trends in Aerospace Technology (NCRTAT) 2019

29th March 2019

Feedback Form for Participants

1. Please rate the overall aspects of the conference on the basis of, (please make a tick mark)

Description	Poor	Below Average	Average	Good	Outstanding
Educational Content				✓	
Diversity in Topics				✓	
Oral Presentations			✓		
Quality of Presenters			✓		
Selection of Topics				✓	
Questions and Discussions					✓
Organization					✓
Hospitality					✓
Overall Rating					✓

2. Write the reason you came to the conference

To gain the experience & knowledge

3. Was that reason fulfilled / satisfied? Yes / No

4. How did you obtain information about this conference?

a. Poster b. Internet c. Social Media d. Friends / Acquaintances e. Professors ✓

5. Did you notice any shortcomings / problems? Yes / No. (Kindly Specify)

6. Provide suggestions for improvement of such programs to be held in future

Time allotment is not proper.

