



DEPARTMENT NEWS LETTER

YEAR: 2020 -2021

SEM: ODD



SONIC BOOM



Bharath Institute of Science and Technology (BIST) started with Sri Lakshmi Ammal Educational Trust as the first self-financing Engineering College in Tamil Nadu in 1984 by Dr. S. Jagathrakshakan. The trust then established SreeBalaji Dental College and Hospital in 1989. SreeBalaji Dental College and Hospital was first recognized as a Deemed to be University by MHRD in July 2002, under section 3 of UGC Act 1956 and placed under the purview of new trust of Bharath Institute of Higher Education and Research (BIHER). The Bharath Institute of Science and Technology (BIST) and other institutions (below) was then brought under the ambit of Bharath Institute of Higher Education and Research (BIHER).

- Bharath Institute of Science and Technology
- SreeBalaji College of Nursing, Chennai
- SreeBalaji Medical College and Hospital (SBMCH), Chennai
- SreeBalaji College of Physiotherapy, Chennai

- Sri Lakshmi Narayana Institute of Medical Sciences (SLIMS), Pudhucherry

Thus, Bharath Institute of Higher Education and Research (BIHER) is providing multi-stream, multi-cultural and high-quality education to nearly 10000 students from all around the world. It is functioning in a sprawling area of 603 acres of land with 1.3 crore sq.ft buildings located in six Campuses both in Tamil Nadu and Pudhucherry, equipped with the state of the art infrastructure facilities. Their teaching Faculty members are well-qualified and have vast experience in research to teach and supervise various UG and PG programmes.

Vision of the institute

“Bharath Institute of Higher Education & Research (BIHER) envisions and constantly strives to provide an excellent academic and research ambience for students and members of the faculties to inherit professional competence along with human dignity and transformation of community to keep pace with the global challenges so as to achieve holistic development.”

Mission of the institute

- To develop as a Premier University for Teaching, Learning, Research and Innovation on par with leading global universities.
- To impart education and training to students for creating a better society with ethics and morals.
- To foster an interdisciplinary approach in education, research and innovation by supporting lifelong professional development, enriching knowledge banks through scientific research, promoting best practices and innovation, industry driven and institute oriented cooperation, globalization and international initiatives.
- To develop as a multi-dimensional institution contributing immensely to the cause of societal advancement through spread of literacy, an ambience that provides the best of international exposures, provide health care, enrich rural development and most importantly impart value based education.
- To establish benchmark standards in professional practice in the fields of innovative and emerging areas in engineering, management, medicine, dentistry, nursing, physiotherapy and allied sciences.
- To imbibe human dignity and values through personality development and social service activities.

Chancellor Message

I am happy that you are joining our Institute for pursuing the course of study of your choice. This introduction to our Institution speaks of those features that reaffirm our faith in, and commitment to, the essential task of helping you transform yourself into a careerist in dental, medical, engineering and technology

I am sure you will make the best use of the programmes offered, facilities provided and opportunities created here in your interest. I am quite confident that you will address yourself to the tasks of learning with a tremendous sense of involvement and come out successful with flying colours in your cherished endeavour.

Let me greet you at the beginning of an academic journey towards the goal of a rewardingly prosperous career.

Chancellor

Department of Aeronautical Engineering



B.Tech- Aeronautical Engineering & Aerospace Engineering

About the Department

Twenty first century is poised to become a century of space explorations and manned missions to other planets. It will be a time of space stations and robotic probes. The world will continue to need aerospace scientists, engineers, technologists and technicians to accomplish these highly exciting and challenging missions. Keeping this in mind the Department of Aeronautical Engineering was started in Bharath University in the year 2012.

The Aeronautical Engineering students are encouraged to actively involved in research projects and come out with innovative ideas. With constant support extended by the Management, the basic infra-structure needed for regular curricular programs as well as for fundamental and applied research is being established in the Department.

The Department provides a conducive academic environment for both students and faculty to bring out the best outcome from them.

Vision of the Department

Department of Aeronautical Engineering will endeavor to accomplish worldwide recognition with a focal point of Excellence in the field of Aeronautics by providing quality Education through world class facilities, enabling graduates turning out to be Professional Experts with specific knowledge in Aeronautical & Aerospace engineering.

Mission of the Department

- To be the state of art Teaching and Learning center with excellent infrastructure and empowered Faculties in Aeronautical & Aerospace Engineering.
- To foster a culture of innovation among students in the field of Aeronautics and Aerospace with updated professional skills to enhance research potential for sponsored research and innovative projects.

To Nurture young individuals to be knowledgeable, skilful, and ethical professionals in their pursuit of Aeronautical & Aerospace Engineering.

HOD DESK

Aeronautical Engineering is a fascinating and high-technology discipline more than 100 years old, still requiring much more contribution by engineers and scientists to broaden its scope and application to develop next generation aircrafts.

Aeronautical engineering is an ever-developing discipline full of exciting opportunities and challenges with several private players entering the aeronautical industry, the opportunities are going to be better and better. Job opportunities for an Aeronautical Engineer in India lies with government owned air service, aircraft manufacturers and research centres.



Dr.M.Sundararaj
Assot.Prof. & Head, Aeronautical Engineering

Many of the Aeronautical Engineers get better placement opportunities in the private and public manufacturing sectors and contribute well for the development of the efficient products. The Faculty and students of our department are engaged in acquiring cutting edge technology and the excellent infrastructural facilities available in the department allowing them to delve into pushing the boundaries of the state of the art of technology.

Aeronautical department boasts of dedicated faculty who are committed in providing highest quality students in today's professional workforce. Our programs complement not only the student learning experience, but also business, government and industry. Through internship, research, and innovation we are committed to challenging, mentoring and providing an exceptional learning experience for our students.

I look forward for developing and implementing strategic initiatives which will further enhance the professional education of all our students. BIHER has a strong tradition of integrity, diversity, access, responsibility and excellence. I fully support this initiative of bringing out this souvenir, which is the resultant output of the unwavering dedication of all who had worked for it.

My best wishes and greetings to all the students who are aspiring to become Aeronautical Engineers and take India to the forefront of developed nations.

DEPARTMENTAL ACTIVITIES

ACADEMIC EVENTS DETAILS FOR THE ACADEMIC YEAR 2020-2021

Academic Year: 2020-2021

Sem: ODD

No.Of.Students: 8

S.No	Guest Lecture/Workshop/Webinar/Seminar Title	Duration	Resource Person
1	Experimental Evaluation of Aerospace Structures for structural, Thermal and Dynamics Loads	9-05-2020	Mr.S.Narendar, Scientist D, Strcture Division, DRDL, Kanchenbagh, Hyderabad
2	Advances in space Technology	16-05-2020	Mr.Ranganath Ekkundi Former Deputy Director U R RAO Satellite Centre, ISRO, Bangalore
3	An Introduction to Plasma Physics and Plasma Thrusters	05-06-2020	Mr.P.Kalaiselvan, Founder @CEO, Sphere Tech Innovations, Chennai
4	Indian Space Program – Present & Future	07-10-2020	Mr.T.K. Sundaramurthy, Ex- Mission Directore, ISRO Satellite Center, Bangalore
5	Launching of a Nano Satellite	15-10-2020	Dr.Vinod Agarwal, Ex- Mission Director, ISRO Satellite Center, Bangalore
6	An Introduction to Missile Aerodynamics	17-10-2020	Dr.Krishnamohan Rao, Head, Aerodynamics Division, DRDL, Hyderabad
7	Basics of Flight Testing & Flight Testing Technique	17-10-2020	Gp.Capt. A.Arunachaleswaran Flight Test Engineer, NFTC,ADA
8	Basic Introduction on Openfoam for Beginners	3-11-2020	Dr.Vijay Vinayak Patel Outstanding Scientist, CLAW, ADA, Bangalore

Student Activities:**Academic Year: 2020-2021****Sem: ODD****No.Of.Students: 25**

S.No	Student Name	Event Name	Organized By	Date of Event	Award/ Recognition
1.	Kavin	Webinar	Periyarmaniammai College	14-06-2020	Participation
2.	Manickam N	National Level Quiz	Bharath University	15-06-2020 16-06-2020	Participation
3.	Kiran Koushik	Web Pentesting	Cyber Krypts	15-06-2020 to 21-06-2020	Participation
4.	Kiran Koushik	Workshop	Mount Zion College	18-06-2020 to 19-06-2020	Participation
5.	Kavin	Python	Udemy	19-06-2020	Participation
6.	Kavin	Quiz	Bharath University	19-06-2020 to 20-06-2020	Participation
7.	Kavin	Webinar	District Science Centre, Gulbarga	20-06-2020	Participation
8.	Ch.Srianutejreddy	International Yoga Day	International Naturopathy Organisation	21-06-2020	Participation
9.	Kavin	Webinar	District Science Centre, Tirunelveli	16-07-2020	Participation
10.	Kavin	Front End Web Development	Udemy	19-07-2020	Participation
11.	Pratik Gaikwad	Introduction To Python And C++	Saylor.Org Academy	20-07-2020	Participation
12.	Kavin	Webinar	Madanapalle Institute, Andhra	20-07-2020 to 24 -07-2020	Participation
13.	Kiran Koushik	Webinar	Madanapalle Institute, Andhra	03-08-2020 to 07-08-2020	Participation
14.	Kiran Koushik	Ethical Hacking Basics	Cyber Jagrithi	04-08-2020	Participation
15.	Praveen Kumar P	Internship	Gloinnt	09-08-2020 to 09-10-2020	Participation
16.	Pushpalathasubbiah	Calculus	The University Of Sydney	26-08-2020	Participation
17.	Kiran Koushik	Webinar	Cyber Defender	02-09-2020	Participation
18.	R.L. Harish	Short Term Training	Teqip-3	21-09-2020 to 25 -09-2020	Participation

19.	Mythilhi	Foundation Course	Vandeerbilt University	28-09-2020	Participation
20.	Kavin	Astronomy	University Of Arizona	28-10-2020	Participation
21.	R.L. Harish	International Werbinar	Govt Arts College, Kerala	29-10-2020 to 31-10-2020	Participation
22.	Jasheemabegam	Bottle Rocket	Ssn College, Chennai	1-12-2020 to 2-12-2020	Participation
23.	A.Sakthikumar	Digital Quiz	Sankara College, Coimbatore	2020	Participation
24.	Kiran Koushik	Workshop	Autodesk Fusion	2020	Participation
25.	Kiran Koushik	Ethical Hacking Fundamental	Prompt Infotech	2020	Participation