



DEPARTMENT NEWS LETTER

YEAR: 2022 -2023

SEM: EVEN

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:

Department of Aeronautical Engineering will endeavour 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:

- (1) To be the state of art Teaching and Learning centre with excellent infrastructure and empowered Faculties in Aeronautical & Aerospace Engineering.
- (2) 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.
- (3) To Nurture young individuals to be knowledgeable, skilful, and ethical professionals in their pursuit of Aeronautical Engineering.

Vision of the Department

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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 2022-2023

Academic Year: 2022-2023

Sem: EVEN

No.Of.Students: 3

| S.No | Guest Lecture/Workshop/Webinar/Seminar Title | Duration | Resource Person |
|-------------|--|-----------------|--|
| 1 | How to write an Effective Research Proposal (DST, SERB, ICSSR etc.) | 07.03-2023 | Dr. D.Muruganandam, Founder and CEO, IIIDC, Chennai |
| 2 | Pre conference Workshop(NCRTAT) | 3.04.2023 | Mr.M.Senthil Kumar Asst.Director, Operation DGCA Chennai |
| 3 | Recent Trends in Aerospace Technology (NCRTAT) 2023 | 03-04-2023 | Mr.M.Senthil Kumar Asst.Director, Operation DGCA Chennai |

Student Participants details**Academic Year: 2022-2023****Sem: EVEN****No.Of.Students: 24**

| S.No | Student Name | Event Name | Organized By | Date of Event | Award/ Recognition |
|-------------|------------------------|-----------------------------------|-----------------------------|---------------------------|---------------------------|
| 1. | Shrikanthavinashjadhav | ALC NCC Camp | Hindustan engg College | 03-01-2023 to 12-01-2023 | participation |
| 2. | Jasheemabegam | Internship | Vaayu sastra aerospace | 06-03-2023 to 15-04-2023 | participation |
| 3. | Merlynreji | Internship | Vaayu sastra aerospace | 06-03-2023 to 15 -04-2023 | participation |
| 4. | Sandhiya | Internship | Vaayu sastra aerospace | 06-03-2023 to 15-04-2023 | participation |
| 5. | Nagul K | Internship | Vaayu sastra aerospace | 06 -03-2023 to 15-04-2023 | participation |
| 6. | Darsiguntanarasimha | Internship | Brahmastra Aerospace System | 17-03-2023 to 06-04-2023 | participation |
| 7. | Medharamitiajyoshna | Internship | Garuda Aerospace Chennai | 10-03-2023 to 10-06-2023 | participation |
| 8. | Sankarsingh | Soild Works | Linkedin Learning | 24-03-2023 | participation |
| 9. | Amanmohamed | Air Crash Investigation FLIGHT'23 | MIT | 08-04-2023 | 3rd prize |
| 10. | Amanmohamed | Air Chief Marshals FLIGHT'23 | MIT | 08-04-2023 | 1st prize |
| 11. | Farhatfatma | Essay Competition | Bharath University | 08-04-2023 | 1st prize |
| 12. | Jasheemabegam | Rocket Building Workshop | MIT | 08-04-2023 | participation |
| 13. | Merlynreji | Workshop | MIT | 08-04-2023 | participation |
| 14. | Sandhiya | Rocket Building Workshop | MIT | 08-04-2023 | participation |

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|-----|------------------------|------------------------------|--------------------|--------------------------|---------------|
| 15. | Sravanthreddy | Air Chief Marshals FLIGHT'23 | MIT | 08-04-2023 | 1st prize |
| 16. | Sravanthreddy | Air Crash Investigation | MIT | 08-04-2023 | 3rd prize |
| 17. | Sankarsingh | Interpersonal Communication | Linkedin Learning | 09-04-2023 | participation |
| 18. | Sravanthreddy | Workshop | Bharath University | 10-04-2023 | participation |
| 19. | Ganeshpasuleti | Workshop | Bharath University | 10-04-2023 | participation |
| 20. | Karthick Raja G | Workshop | Bharath University | 10-04-2023 | participation |
| 21. | Lakshminarayanareddy | Workshop | Bharath University | 10-04-2023 | participation |
| 22. | Lalu J | Workshop | Bharath University | 10-04-2023 | participation |
| 23. | Ganeshpasuleti | Workshop | Bharath University | 10-04-2023 | participation |
| 24. | Shrikanthavinashjadhav | EBSB NCC Camp | DRDO | 09-05-2023 to 13-01-2023 | participation |