



AERO NEWSLETTER

Department of Aeronautical Engineering

Vision of the department:

To impart quality education fostering excellence in academics, research and innovation to develop globally competent aeronautical engineers contributing to the society

Mission of the department:

M1. To offer outcome-based learning that encompasses research and innovation.

M2. To promote interdisciplinary learning and interaction with the global community

M3. To enable holistic education engrossed with social values.





Academic leadership Traits For Faster Professional Growth.

15/04/21 – 20/04/21

The Department of Aeronautical engineering, AIT conducted a 5-day Faculty development program on 'Academic leadership traits for faster professional growth' from 15 April to 20 April 2021.

This offline event held at MBA seminar hall witnessed speakers from various disciplines of academia and industry unveil their experiences, opinions and tactics in identifying, nurturing and developing the traits for a successful leadership.



The 5-day FDP was inaugurated by Dr. Anand S Deshpande, Registrar at Visvesvaraya, Technological University, Belagavi.



Trends of Millennials Contributions and Challenges in Aerospace Engineering

27/07/20 - 29/07/20

The department of Aeronautical Engineering, Acharya Institute of Technology has organized an online seminar entitled Trends of millennials' contributions and challenges in Aerospace Engineering during 27th -29th July 2020. The seminar featured 17 speakers, 15 authors, and 100 participants. It provided an opportunity and platform for our alumni, spread across the globe, to share their contributions and challenges in their workplaces with participants. The specific emphasis of the seminar was laid on the demonstration and exchange of outcomes of research and



project activities of the graduating students, young researchers and academicians. The speakers from some of the prominent organizations such as Rolls-Royce, GKN Aerospace, and Collins Aerospace spoke and the presence of the speakers from various countries like Germany, USA, UK was inspirational in Aerospace Engineering to the participants. They shared their work experience and discussed about the adversities they faced during their journey and how they turned them into success. Topics like job opportunities in Aerospace Sectors, higher education abroad, entrepreneurial opportunities in Aerospace and Defence (A&D) industries were also deeply discussed with the audience. Speakers from the research institutes motivated the audience to take part in research field.





PEOs

PEO1:

Graduates in aeronautical engineering shall have necessary skills and competence to be employable in the core industry, academia and multi-disciplinary sectors.

PEO2:

Graduates shall embrace the joy of multidisciplinary education and adapt to a new domain with ease and comfort.

PEO3:

Graduates shall exhibit leadership qualities, ethics and discipline required for fulfilling societal needs.

PEO4:

Graduates shall continue to engage in professional development and be a life-long learner.

PSOs

PSO1:

Apply the foundations of aerodynamics, propulsion, aircraft structure and materials; Evaluate the performance and operation of components of aircrafts and flying vehicles.

PSO2:

Demonstrate the flight vehicle design, integrate the aircraft systems and components and test the flight.

PSO3:

Apply the concepts of aerothermodynamics, energy conversion, heat and mass transfer in analyzing both internal and external flows; Demonstrate it for various aircraft engines and structures.

PSO4:

Apply the basic knowledge of avionics to communicate and control with the aircraft components; Evaluate the stability of the overall aircraft.