



**ACHARYA INSTITUTE OF TECHNOLOGY**  
 INVITED TALK ON  
**EMERGING APPLICATIONS OF HYDROGEL IN AEROSPACE**



Aerospace

Invited Talk

1200+ Interested

I'm Interested

 14<sup>th</sup> Aug 2026

 09:30 AM

 One Day

 7<sup>th</sup> Semester Students

 Acharya Campus

### About Program

The invited talk on “Emerging Applications of Hydrogel in Aerospace” introduces students to the innovative use of hydrogel-based materials in aerospace engineering. The program highlights their applications in smart materials, thermal management, sensing, energy systems, and lightweight aerospace structures, along with current research trends and future possibilities.

### Objectives of the Program

- To introduce students to the fundamental concepts, properties, and types of hydrogels relevant to aerospace applications.
- To familiarize students with the emerging applications of hydrogel-based materials in aerospace engineering
- To provide awareness of recent research and technological advancements in smart and functional hydrogel materials

## Resource Person



**Ms. Chitira Ravindran**

Research Assistant, BSMat lab,  
IISc, Bengaluru

## Committee Members

### Advisory Committee

- Dr. C. K. Marigowda, Principal, AIT

### Convener

- Dr. Swetha S, Prof & Head, Dept. of AE

### Coordinator

- Varsha N, Assistant Professor, Dept. of AE

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 10<sup>th</sup> - 14<sup>th</sup> Aug 2026
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  11.00 AM onwards



**Professional Ethics & Etiquette Program**  
 17<sup>th</sup> Aug 2026
  2:00 PM Onwards



**International FDP on Generative AI**  
 10<sup>th</sup> - 14<sup>th</sup> Aug 2026
  9:00 AM – 5:30 PM



### Acharya Institute of Technology

Acharya Dr. S. Radhakrishnan Road, Acharya P.O  
Soladevanahalli, Bangalore - 560107, Karnataka, India.

LOCATE US

### Event Coordinator

Prof. Varsha N,  
Assistant Professor,  
Dept. of AE  
[✉ varshan@acharya.ac.in](mailto:varshan@acharya.ac.in)