



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

An Autonomous Institute Under VTU, Accredited by NBA and NAAC
Yelahanka, Bengaluru-560119.

Name of the Club: ASTRA BMSIT

Date of Formation: 23 September 2025

Coordinators:

- Faculty Coordinator: Dr. Arunakumari B N
- Student Coordinator:
Vaibhav Pandey (President, ASTRA BMSIT)
Sharath Y Kudachi (Vice President, ASTRA BMSIT)
Rakshak M K (Chief Secretary, ASTRA BMSIT)
Sagar Sahoo (Secretary, ASTRA BMSIT)

Social Media-

Linkedin- <https://www.linkedin.com/company/astra-club-bmsit/>

Instagram- <https://www.instagram.com/astra.club.bmsit/>

Objective: ASTRA is a student-led defence technology club aimed at fostering interest, awareness, and practical expertise in modern defence and strategic technologies. The club seeks to bridge the gap between academic learning and real-world defence applications by providing hands-on exposure, interdisciplinary collaboration, and industry-oriented learning opportunities.

- Encouraging Experiential Learning: Inspire modules exploring core defense domains, hands-on labs, and organized monthly threat discussion circles on topics like ballistic hands-on learning.
- Hands-On Development: Prototype development with autonomous surveillance drones, missile launching.
- System and Ethical Innovation: Promote awareness of ethical implications of military tech regulations and frameworks to ensure responsible AI warfare in international defense applications.
- Industry Link: Forge collaborations with reputed organizations like DRDO, HAL, BEL, and defense student projects to create pipelines for internships, guest MRDO, allowing students first-hand insight into defense production ecosystem.
- **Frequency of Meeting:** Monthly meetings, with additional sessions conducted during workshops, events, and project activities.

Roles and Responsibilities:

Sl. No	Name of Faculty, Department	Role in the Club
1	Dr. Sanjay H A, Dept. of CSE	Faculty Mentor
2	Dr. Satish Kumar T, Dept. of CSE	Faculty Mentor
3	Dr. Arunakumari B N, Dept. of CSE	Faculty Coordinator
4	Dr. Ramakrishnappa T, Dept. of Chemistry	Faculty Mentor
5	Dr. Saneesh C T, Dept. of ECE	Faculty Mentor
6	Dr. Ashwini N, Dept. of CSE	Faculty Mentor
7	Dr. Kiran M D, Dept. of ME	Faculty Mentor
8	Dr. Daruka Prasad B, Dept. of Physics	Faculty Mentor
9	Dr. Sreelakshmi T K, Dept. of Mathematics	Faculty Mentor
10	Dr. Vishwa Kiran S, Dept. of CSBS	Faculty Mentor

ASTRA CORE TEAM

Designation	Sub Division	Name
President	—	Vaibhav Pandey
Vice President	—	Sharath Y Kudachi
Chief Secretary	—	Rakshak M K
Secretary	—	Sagar Sahoo
Treasurer	—	Sushant Bichha
Event Management Team	Head	Arshad Alam
	Co-Head	Rakshitha G
Marketing Team	Head	Prarthana Dilip
	Co-Head	Rakshitha Bhat
Social Media Team	Head	Sneha C
	Co-Head	Siddhartha Patel
Technical Team	Head	Reyyi Shreyas
	Co-Head	Varnika Kirni

Faculty Coordinator:

- Provide academic guidance and ensure alignment with institutional objectives.
- Supervise planning and execution of club activities and events.

Student Coordinator / Core Team:

- Plan and organize workshops, seminars, guest lectures, and competitions.
- Coordinate student-led projects, simulations, and research activities.
- Manage communication, documentation, and outreach activities of the club.
- Encourage participation, collaboration, and leadership among Members.

One Year Activities conducted:

1. Club Inauguration & Guest Session on Indian Defence Sector

- Date: 23rd April 2025
- Venue: BSN Auditorium, Lab Block
- Time: 10:00 AM – 12:30 PM

The official launch of the **ASTRA – Student Led Defence Technology Club** was held on **23rd September**, marking the formal unveiling of the club's vision and objectives. The inauguration was graced by **Commodore Pankaj Singh (Retd.)**, a distinguished former officer of the Indian Navy, and **Mr. Nandha Kumar T. D., General Manager (PDIC), Bharat Electronics Limited (BEL), Bengaluru**. The Chief Guests shared valuable insights on defence technology, strategic innovation, and the critical role of engineering and research in national security. The session provided students with clarity on defence-oriented career pathways, the importance of ethical and responsible innovation, and the growing opportunities for technologists in India's defence ecosystem.





Future Events

National Level Software Hackathon (March–April)

ASTRA Club is organizing a **National Level Software Hackathon** scheduled for **late March to early April**, bringing together students, innovators and technology enthusiasts from across the country. This hackathon will be uniquely focused on **defence, aerospace and strategic technology domains**, encouraging participants to build software-driven solutions aligned with real-world defence and technological challenges.

The problem statements will revolve around areas such as **defence applications, aerospace systems, cybersecurity, autonomous platforms and mission-critical software solutions**. The objective of this hackathon is not only to promote competitive innovation but also to expose participants to the relevance of software engineering in national defence and strategic sectors. Through this initiative, ASTRA seeks to foster problem-solving skills, technical depth and a defence-oriented innovation mindset among young developers.

Annual Defence Dialogue

The **Annual Defence Dialogue** is envisioned as ASTRA Club's flagship strategic event. Designed as a **conference-style panel discussion**, this dialogue will host **senior and experienced guest speakers from the Indian Army, Navy and Air Force**, along with experts from strategic and defence-related backgrounds.

The dialogue will focus on **emerging security threats, global geopolitical tensions, evolving defence strategies and contemporary international developments**. Discussions will address how ongoing global events, diplomatic engagements and security challenges influence national and international stability and why awareness of these issues is crucial for today's youth and future leaders.

By facilitating direct interaction with experienced defence professionals, the Annual Defence Dialogue aims to develop **strategic awareness, critical thinking and informed perspectives** among students, highlighting the importance of defence preparedness, technological advancement and global security consciousness in the modern world.

Future Technical and Strategic Initiatives

In addition to these flagship events, Astra Club plans to actively engage in **project-based development and research-oriented activities** throughout the year. These initiatives will focus on applied technologies relevant to defence and security, including:

- **Autonomous UAV systems and related technologies**
- **Landmine detection and safety systems**
- **Cybersecurity solutions and secure communication chains**
- **Software-driven defence and surveillance applications**

Through integrated project development, ASTRA aims to promote practical learning, interdisciplinary collaboration, and innovation aligned with national security and defence technology needs.