

Technical Lecture for the 47th Series Student Project Programme (SPP)

Date: 10th August 2024

Time: 12:00 Noon

Venue: Doddappa Appa Auditorium, Sharnbasva University, Kalaburagi

PERCEPTION OF ENGINEERING STUDENTS AND FACULTY MEMBERS FOR THEIR CAREERS

Dr. K. Venkateswarlu

Chief Scientist, CSIR-National Aerospace Laboratories, Bengaluru

Email: karodi2002@yahoo.co.in



This presentation primarily focuses on post-graduation career choices for engineering graduates. While many engineering students aim to start their careers after graduation, some aspire to pursue further education such as master's degrees or roles like IAS / IPS / IES. Achieving these aspirations often involves numerous challenges and obstacles. The presentation aims to address these issues and provide strategies to overcome them. Additionally, it highlights the significance of faculty members in supporting engineering students during their professional journeys. The presentation also focuses on the role of faculty members in engaging with industry professionals and research institutions, supported by various examples. This technical talk is designed to benefit graduating engineering students and faculty members seeking to advance in their respective scientific careers.

"I-STEM Portal - A Collaborative Force for Global Recognition"

Dr. Harilal Bhaskar

Chief Operating Officer and National Co-Ordinator, Indian Science Technology and Engineering Facilities Map (I-STEM)

- **Introducing the I-STEM Portal:** The I-STEM Portal is a ground-breaking initiative designed and funded by OPSA, Government of India, to elevate scientific and technological research in India. It serves as a comprehensive platform for researchers, scientists, and institutions to share equipment and collaborate effectively. The Power of Collaboration:
- **Strength in Numbers: I-STEM Statistics:** The portal boasts an extensive network of numerous research institutions, R&D labs, and industry partners, startup and Researchers/
- **Benefits for Partner Institutions:** Partnering with the I-STEM Portal offers several advantages:
 - **Increased Visibility and Recognition:** By listing on the I-STEM Portal, your institute's capabilities are showcased to a wider audience of researchers, smaller institutes, the start-up industry, and beyond. This increased visibility can lead to new collaborations and funding opportunities.
 - **Enhanced Equipment Utilization:** Share underutilized equipment with researchers across the network, maximizing the value of your resources and potentially generating revenue through access fees.

I-STEM Portal: A Launchpad for Global Recognition:

- **A Vision for the Future:** The I-STEM Portal aims to become a globally recognized and indispensable resource, showcasing India's scientific prowess on the international stage.
- **Partnering for Progress:** The success of this vision relies heavily on the continuous involvement and contribution of partner institutes and R&D labs. Future collaboration models might include joint research initiatives and thematic focus areas that address pressing global challenges.

Upcoming Flagship Program Overview: I-STEM "Synergy" Initiative

The I-STEM "Synergy" initiative fosters industry-academia collaboration by transforming real-world industry needs into actionable projects for students. Key components include:

- Industry bodies like CII will submit technology and research needs.
- I-STEM connects these needs with academic institutions.
- Final-year students will work on industry-vetted projects, gaining internship and job opportunities.
- Projects continue beyond graduation, transitioning to junior batches for completion and knowledge transfer.

Target Audience:

- **Researchers and Scientists:** The I-STEM Portal empowers your research journey by:
 - **Simplified Lab Access:** Easily find and access labs with the equipment you need across India.
- **R&D Labs and Institutes:** The portal unlocks new possibilities for R&D Labs/Institutions
 - **Enhanced Visibility and Recognition:** Gain exposure to a network of researchers and **potential** industry and Start-up partners.
 - **Resource Optimization:** Share underutilized equipment with the research community, **maximizing** its value.