

# Faculty Profile

## Brief Profile (Few Paragraphs)



- Dedicated and committed professional with 30 years of service in military aviation having experience in Aircraft Maintenance Planning & Management, Project / Contract Management, Training in aircraft systems, and Supply Chain Management in Military aviation.
- Established specific type training at HAL for LCA-Tejas aircraft.
- Auditing / Technical vetting LCA publications using (ATA-USA) Specifications i2200.
- Contract & Warranty Management for Supply of 20 Tejas (LCA) aircraft.
- Managed Line & Base maintenance of sixty aircraft / helicopters.
- Maintenance and upkeep of Aero Engine Test bed and armaments for weapon platforms.

### • Personal Information

- **Name:** Group Captain Deepak Bana VSM (Retd)
- **Designation:** Visiting Professor
- **Department:** Aerospace Engineering]
- **Email:** deepakbana@rvce.edu.in
- **Phone:** 8241 / 9741166775

<https://www.linkedin.com/in/gp-capt-deepak-bana-vsm-ret-d-aab8931b1/>

## Domain of Expertise

### Research Focus

- **Primary Area:** Avionics; Aircraft Systems & Instrumentation;
- **Allied Areas:** Aircraft Accident Investigation  
MRO

## Academic Qualifications

- M.Tech (Electronics & Communication Engg) University of Roorkee (now IIT-Roorkee)
- M.Sc. (Physics)- University of Roorkee (now IIT-Roorkee)

## Professional Experience

| Experience |                                   |                                                                          |                     |
|------------|-----------------------------------|--------------------------------------------------------------------------|---------------------|
| S.No       | Institute/College/Industry        | Job Title                                                                | Duration (From- To) |
| 1.         | Served 30 yrs in Indian Air Force | Held various Engg positions including training (Refer Linked in profile) | 1987 - 2016         |
| 2.         |                                   |                                                                          |                     |

## Publications & Patents

### Journal Publications

- 1). Grain Boundary effect on spectral response and effective diffusion length in polycrystalline silicon solar cells - Anil Agarwal, D Bana, B Prasad \* C M Singhal International Journal of Electronics, 1985, Vol-58, No.6, 981-996.
- 2). Passivation of Defects in Polycrystalline silicon solar cells by Molecular hydrogen Annealing - A Agarwal, D Bana, and C M Singhal., International Journal of Electronics, 1985, Vol-58, No.5, 769-774

### Conference Papers

NIL

### Books/Book Chapters

NIL

### Patents [Filed / Published / Granted]

NIL

## R & Grants & Consultancy Projects

### Ongoing & Completed Research Projects

NIL

### Ongoing & Completed Consultancy Projects

**NIL**

## **Professional Memberships**

**NIL**

## **Awards & Recognitions**

**NIL**

## **Student Supervision**

**None**

## **Professional Roles**

## **Teaching**

**Core Courses:** **[Current semester]**

- AS 363 IA – Avionics

**Advanced/Lab Courses:**

- Avionics Lab

## **Professional Roles**

## **Responsibilities**

- **Academic:** [None]
- **Administrative:** [Lab In-charge]

## **External Connect**

- Member of BoS / BoE
- Invited Member from Academic field at ISRO