**BHARATHI AKULA**

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**DESIGN & DEVELOPMENT | TECHNOLOGY TRANSFER| ASSEMBLY & QUALIFICATION | TESTING & RELEASE | MANUFACTURING EXCELLENCE | STAKEHOLDER ENGAGEMENT |VENDOR MANAGEMENT|**

* An Avionics professional with 20 years of experience in Design & development, Tech transfer, Production, Testing and Release at **Hindustan Aeronautics Limited,** A Govt of India Undertaking
* Demonstrated expertise in **operational execution** and management of initiatives. Delivered complex projects from technological, people and customer perspective
* **Competencies** include Design, Development, setting up of production lines, Testing & Release of high-end components and equipment
* Technology transfer at both **On-site** and **Off-site** locations in **aviation and naval systems**
* Documentation, training guides and matrix for operational work force
* **Proactive** and reactive resolution of operational issues & performance bottlenecks
* Training and problem solving with a RFT approach using **Lean & Kaizen**
* Proven competence in engaging with diverse stakeholders both internal & external, cross-functional teams and partners

**CAREER SNAPSHOT**

**Radar Control System, SU30 MKI, Avionics Division, HAL, Hyderabad**

**Positions Held**

2017-2018: Chief Manager

2012-2017: Senior Manager

2008-2012: Manager

2006-2008: Deputy Manager

**Delivered**

* Set up assembly and testing facilities of Phase shifters and Phasing & radiation devices for Antenna Phase Array System
* Achieved two-fold increase in output and reduction in lead times from an average of 60 days to less than 30 days to meet the additional demand
* Set up PCB assembly facilities for Radar Control system. Finalized the Gerber files for more than 100 types of PCBs for manufacturing
* Set up assembly and testing facilities of 10 LRUs (Analog Receiver, Synchronizer, Indicator link panel, Signal Multiplication unit, Container Power Supply, Power Supply Distributor, Antenna Power Supply, Master Oscillator, Signal Processor, Coupling unit)
* Trained staff for production of LRUs for Phase 2, 3 and 4
* Developed and set up procurement processes for standard (local) and non-standard (International) equipment used in the testing of LRUs of RADAR control System

**SU30 Project cell, Avionics Division, HAL, Hyderabad**

**Positions Held**

2004-2006: Engineer

**Delivery**

* Managed the requisition, Capital Appropriation, technical evaluation of capital items for the SU30 Project
* Prepared status reports for capital items to MDA and Corporate office

**IFF, Strategic Electronics Research and Design Centre Division, HAL, Hyderabad**

**Positions Held**

2002-2006: Engineer

1998-2002: Assistant Engineer

**Delivery**

* Key member for the Design, development and testing of:
  + Airborne applique unit and Control unit for IFF 400AM Transponder
  + IFF1410A Control units for Mi-17 and ALH PPN helicopters
  + Power supply and video processor cards of TACAN
* Production support for Airborne Applique unit and Control unit for IFF 400AM Transponder
* Developed documentation for multiple processes (UHB, ATP, QTP, QAP, VDD, ICD, EID for IFF units)

**Field Work:**

* Installation of Airborne Applique unit and Control unit for IFF 400AM Transponder on Sea King 42B, Sea King 42C and Islander IN136 aircrafts at INS Garuda naval base Cochin
* INS RAJALI, Arakonam for the installation of Airborne Appilque unit and Control unit for IFF 400AM Transponder on TU142M aircraft
* Naval Dockyard, Mumbai for the installation of Ship borne Applique unit and Control unit for IFF 400 NV Transponder on INS DELHI, INS GODAVARI, INS DUNAGIRI and INS VINDYAGIRI ships
* Air force station, Bidar for interface problem solving of IFF 1410A on Surya Kiran aircraft
* ASTE, Bangalore for flight trials of IFF 1410A Control unit for night flying on MIG-21BIS aircraft
* HAL Kanpur for interface problem solving of IFF 1410A on Dornier aircraft

**Other Competencies:**

* Familiarity with various Military/Civil Airworthiness standards and approval procedures
* Clearance certification & SOF (System on Flight) clearance of IFF 1410A Control units for Mi-17, HJT 36 and Sea Harrier
* LQT (Limited Quality Testing) clearance of modified ALH PPN Control unit for IFF 1410A Transponder
* Extensive familiarity with analog and digital circuits

**Education & Training:**

A Bachelor’s degree in Technology (Electronics & Communications Engineering)

A course on Leadership essentials from Hindustan Management Academy (HMA) Bangalore

A course on Product development acceleration from Hindustan Management Academy (HMA) Bangalore

A 30-day training on Tech transfer of Radar Control System, SU30MKI aircraft at Ryazan, Russia

**Personal:**

Date of birth: 14th February 1971

Marital Status: Married

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**References:**

Available upon request