

# HARMANPREET SINGH

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## KEY SKILLS

Problem solving  
Critical Thinking  
Negotiations  
Decision Making  
Process orientation  
Planning and organizing  
Program Management  
Project Management  
Operations Management  
Quality Management  
Supply Chain Management  
Communication  
Cross-Functional Liaison  
Stress Resilience  
Process Development  
Technical Evaluation  
Procurement and AMC

## EDUCATION

M.TECH /  
AERONAUTICAL  
CUSAT, Kochi  
Feb 2016– Jan 2018

B.E/ AERONAUTICAL  
Manipal University, Karnataka  
2009 –2013

## PROFILE SUMMARY

Experienced Fighter Aircraft Technical Manager with a decade long track record of successfully managing complex projects, operations and collaboration efforts, while consistently delivering optimal results with limited resources. Skilled in a wide range of Maintenance, Repair and Overhaul (MRO) activities, Supply Chain, encompassing various aspects of aviation maintenance. Adept at leveraging expertise in Aviation, Quality Assurance, and forging strategic industry partnerships to drive innovation and ensure sustainability. A versatile leader who embodies the principle of 'Lead-By-Example', possesses strong skills in team-building across different functions and excels at making critical decisions.

## EXPERIENCE

### SENIOR PRODUCTION MANAGER

*Naval Aircraft Fighter Squadron / Goa/ Jun 2021 – Present*

- Demonstrated problem solving skills and adaptability to handle challenges by planning, scheduling and maintenance of 10+ Mig-29K fighter aircraft located at **three geographically dispersed areas**.
- Implemented quality-driven maintenance strategies that resulted in a **20 % increase in asset availability** and reduction in downtime of aircraft.
- Established and enforced SOPs to ensure operational safety for both personnel and materials, leading to over **1500 accident-free hours of flying operations**.
- Formulated training programme for skill improvement of workers resulting in **20% reduction of critical maintenance issues**.
- Analyzed usage trends and collaborated with supply agencies to effectively maintain an in-house inventory of over 1,500 items. This resulted in a **reduction of turnaround time by approximately 8%**.
- Implemented the **5S methodology** in workplace by training employees resulting in **10% increase in productivity**.

### MANAGER TECHNICAL OPERATIONS

*Naval Aircraft Fighter Squadron / Goa/ Dec 2020 – Jun 2021*

- Prioritized aircraft maintenance tasks to maximize operational availability, resulting in a **15% reduction in downtime**.
- Organized team-building activities and knowledge-sharing sessions to promote collaboration and efficiency, resulting in a **10% increase in productivity and a 5% increase in employee satisfaction**.
- Utilized analytical skills and technical expertise to develop an optimized servicing philosophy through comprehensive reliability studies, detailed defect analysis, and meticulous investigations as a part of Quality Assurance (QA) activities.
- Oversaw a team of **100+ technically skilled executives**, managing all aspects of their work, including work allocation, performance appraisal, training, and grievance management.

## AWARDS

### AVIATION SPL. BATCH

*Indian Navy*

Mar 2021

### 09 YRS. SERVICE MEDAL

*Indian Navy*

2022

### 75 YRS. INDEPENDENCE MEDAL

*Indian Navy*

2022

## EXPERIENCE CONTINUED

### MANAGER PRODUCTION

*Base Support Facility / Goa/ Sep 2017 – Dec 2020*

- Commissioned the first naval fighter aircraft maintenance support facility, managing the project from start to finish and overseeing all aspects of planning and execution. Boosted asset availability while **improving operational efficiency by 40%**.
- Collaborated closely with Russian delegates, fostering a strong liaison and effectively managing various warranty disputes. Skilfully navigated negotiations and resolved issues, resulting in impressive **cost savings of \$22 million dollars**.
- Employed critical thinking and data analytics to analyse multiple aircraft failures, effectively pinpointing the underlying causes resulting in increased asset availability and extended **operational range beyond 250 NM**.
- Spearheaded the maiden life extension program for fighter aircraft engines, resulted in **cost savings of upto \$2 million dollars**. This involved developing new SOP's for maintenance, testing and analysis of engines resulted in optimal performance and asset availability.

## TRAINING & CERTIFICATIONS

### CERTIFICATE COURSE IN GLOBAL SUPPLY CHAIN MANAGEMENT

*Indian Institute of Foreign Trade/ Mar 2023– Sep 2023*

- Learning sessions included Supply Chain Strategy, Logistics and Transportation Management, International Trade and Customs Compliance, Operations Management, Procurement and supplier Management etc.

### CERTIFIED SCRUM MASTER (CSM)

*Scrum Alliance /Jun 2023– Jul 2023*

- Learning sessions included Scrum Framework, Agile Principles, Team Dynamics, Agile Estimation and Planning, Stake Holder Engagement etc.

### LEAN SIX SIGMA GREEN BELT CERTIFICATION

*AIGPE / Mar 2023– Jun 2023*

- Learning sessions included fundamentals of Lean and Six Sigma, Improvement Management, DMAIC philosophy, Root Cause Analysis etc.

### PROJECT MANAGEMENT FUNDAMENTALS

*ALISON / Jun 2023– Jun 2023*

- Learning sessions included fundamentals of Project Charter, Budgeting, Agile, Scrum, Project timelines, Risk control etc.

### AGILE WITH ATLASSIAN JIRA

*ATLASSIAN / Jun 2023 (Pursuing)*

- Learning sessions included fundamentals of Hands on experience on JIRA software, Kanban and lean principles etc.