



## Aashish Kumar Rana

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### Summary

Results-driven operations leader with 10+ years of experience in engineering, maintenance, and cross-functional program management in high-stakes environments. Proven track record in driving process optimization, supply chain efficiency, and digital transformation across large-scale teams and technical systems. Adept at leading strategic initiatives, improving operational readiness, and delivering data-driven improvements under complex constraints.

### Professional Experience

#### Lieutenant Commander | Indian Navy | Mumbai | Lonavla | Mumbai | Lieutenant Commander

Led cross-functional teams of 100+ across engineering, logistics, and training; executed ₹200 Cr+ asset maintenance and procurement programs; directed 50+ underwater salvage ops; managed pandemic response for 1,200+ personnel; conducted 150+ audits; oversaw technical training of 600+ trainees and led 4 large-scale operational readiness initiatives.

#### STRATEGIC OPERATIONS

- Directed engineering training and post repair readiness for **58 operations unit**, ensuring smooth machinery transition post maintenance and achieving **99% personnel and equipment readiness**, minimizing mission delays.
- Spearheaded **change management** across all Western Fleet warships, replacing legacy engineering SOPs with standardised procedures, leading to a measurable **increase in operational efficiency and onboard safety**.
- Facilitated seamless coordination between **engineering, logistics, and operations departments**, enabling efficient delivery of shipboard technical training and reducing training cycle disruptions by **20%**.
- Planned and executed a **large-scale, multi-phase training program** involving **600+ trainees and 100+ staff**, delivering operational readiness goals within budget and on schedule.
- Oversaw performance monitoring and **resource planning for 600+ trainees**, enhancing **training throughput efficiency by 20%** and enabling data-driven planning decisions.
- Managed logistics and event coordination for **inter-division sports competitions** across 5 disciplines, improving morale and boosting **trainee participation by 60%**.
- Co-designed modular technical training programs** in collaboration with senior command and engineering teams, leading to a **notable improvement in engineering crew capability scores** during technical assessments and operational evaluations.

#### OPERATIONS IMPROVEMENT & PROCESS OPTIMIZATION

- Conducted over **150 technical audits** across naval platforms, identifying and rectifying **240+ non-compliance issues**, resulting in improved adherence to safety and regulatory standards.
- Launched continuous improvement initiatives in training operations, leading to a **reduction in safety infringements** and improved audit compliance organization wide.
- Led a cross-functional team of 15 engineers and technicians** managing complex engineering systems like propulsion systems, gas turbine, and auxiliary systems worth ₹200 Cr; achieved **100% operational uptime** during critical deployments by implementing **optimized preventive maintenance schedules**.
- Implemented predictive maintenance protocols** and optimized workflows for mission critical equipment, **reducing emergency breakdowns** and ensuring propulsion system uptime.
- Led **root cause analyses** for recurring machinery breakdowns, implementing corrective protocols and achieving a **20% decrease in repeat failures** within maintainance cycle.
- Introduced robust tracking and replenishment controls for **2,500+ spares and consumables**, cutting stockouts by **60%** and ensuring parts availability during surge operations.
- Improved **Mean Time Between Failure by 35%** through in-depth defect analysis and rectification across propulsion, electrical, and auxiliary systems.

#### PROGRAM & PROJECT MANAGEMENT

- Resolved scheduling conflicts and inter-departmental disputes via structured stakeholder engagement, **enhancing training throughput** without impacting deployment.
- Directed logistics and maintenance** of 13 ship purposed tactical vehicles, **implementing tracking systems** to ensure 100% readiness during extended deployments.
- Led end-to-end **pandemic response operations for 1,200+ personnel**, including vaccination drives and quarantine protocols, achieving zero transmission during peak waves.
- Executed 50+ complex underwater diving operations** and salvage missions valued at ₹20 Cr, **attaining a 100% success rate** and contributing to mission-critical recoveries.
- Developed and implemented structured fitness training programs**, improving pass rates by 30% through goal setting and performance tracking.

#### DIGITAL TRANSFORMATION & PROCUREMENT

- Digitized 100% of procurement workflows using Government e-Marketplace** and e-procurement platforms, cutting procurement cycle time by 40%, improving vendor compliance, and strengthening audit readiness.

- Transitioned traditional **technical training modules to remote learning** during lockdowns, maintaining 100% instructional coverage of critical curricula.
- **Enforced digital workflows in vendor management** and inventory sourcing, achieving a 25% improvement in sourcing lead times and minimizing stock-outs.
- **Introduced maintenance tracking and digital coordination** for procurement of technical stores, achieving 100% audit compliance and reducing lead times by 30%.
- **Increased productivity and reduced costs** via implementation and training of staff on Lean Six Sigma Tools

## Education

Amity University Rajasthan, 2011 – 2015

## Accomplishments and Awards

- Sea Service Medal for 785+ days of afloat operational duties
- Selected for elite Ship Diver Course (Top 10% from 500+ volunteers)
- Division recognized as “Champion Division” for 2 out of 4 training terms
- Represented Western Naval Command in football and swimming (Inter-Command Winners)

## License & Certifications

- Lean Six Sigma, Henry HarvinLean Six Sigma Green Belt (LSSGB)-KPMG, Mar 25
- Post Graduate Diploma in Business Management (Operations)
- Marine Engineering Specialisation Course
- Ship's Diver Officer Certificate issued by the Indian Naval Diving School

## Co/Extra-curricular

- Community Mentor: Led sports and leadership initiatives in naval and civilian communities
- Volunteer Instructor: Delivered technical training workshops for naval personnel
- Sports Enthusiast: Vice Captain of University Football Team; participant in inter-command athletics