

ALOK KUMAR TYAGI

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Overview

- Dynamic, self-driven, quality conscious & result oriented professional with over two decades of diversified leadership experience in elevating operational efficiency & team competence. Distinguished, consistent & acclaimed track record of achieving unparalleled results.
- In-depth expertise in military simulation, military data centre management, radars and air defence systems, technical training, communication and networking, small arms ammunition design, development and QA, Cyber Security, intelligence gathering and data analysis, ISO9001:2015 Standards and Project Management.
- Competent in overseeing end to end project management – project planning, timelines, managing resource allocation and ensuring ROI of existing resource.
- **Key Skills:** Operations, Project Management, Data Centre Management, Quality Assurance, Six Sigma, Ammunition Design & Development, Simulation, S/W development through SDLC, Scrum and OODA frameworks.
- Seeking opportunities in Operations, IT Data Centre Management, Business Development, Simulation or QA.

Awards And Recognitions

Prakram Padak - 2006

Awarded for Exemplary Bravery on the face of enemy

GOC-in-C ARTRAC Commendation Card, Army Training Command- 2016

Awarded for Development of Zu 23mm Gun Firing Simulator

Professional Experience

Quality Assurance Officer(Lt Col), Senior Quality Assurance Estt(A)(DGQA)- Jun 2017- Jun 2020

- Responsible for QA of all products of Ammunition Factory Khadki, a Rs1000 Cr turnover company
- Developed Small Arms Ammunition and critical stores for ammunition proof testing
- Conduct of Cyber Security Audit of own and other DGQA estt
- Designated Management Representative for ISO 9001:2015 Certification of Estt QMS
- Process improvement through TQM.

Group Officer (Lt Col), Simulator Development Division- Jun 2014 - Jun 2017

- Spearheaded Design and Development of three Air Defense Weapon Simulators
- Conduct of ToT to production agency of the simulators developed for induction into Indian Army
- Provide Technical Support for maintenance of Air Defense Simulators deployed in the units through RIMS
- Worked on UNITY 3D, SQL, C++, VC, Windows NT and programming of BL2600 series
- S/W development through SDLC, Scrum and OODA framework.

Senior Instructor(Lt Col), Army Air Defense College- Feb 2013 - Jun 2014

- Planning and conduct of 23 courses, Basic Certification, Diploma in Weapon Technology, MMSc and MPhil
- Training the Trainers and conduct of selection process for the Instructors for the College
- Creation and maintenance of lab facilities and Training Equipment for the courses
- Preparation of Course Material for Technology intensive courses in Air Defense Weapons and Radars
- Planning and Conduct of Training Firings for all the courses
- Completed project, Setting up of Electro-Optical Tracking System for Air Defense Firing at Army Air Defense College(25 crores)
- Facility Management for all the students
- Yearly student intake was 850 to 900

COO(GSO-1(Ops)), Army Air Defense Brigade- Jun 2010 - Feb 2013

- Planning and Conduct of Air Defense Operations in the Area of Responsibility.
- Planning and monitoring Operational Works Projects including Operational Funds management
- Setting up and maintaining data centre with data and voice networks for Network Centric Warfare using TSTs, OFC, line and radio communication networks.
- Integration of surveillance inputs from various sensors and analysis
- Intelligence gathering and analysis
- Co-ordination with other agencies involved in overall operations
- Provisioning and maintenance of Operational Equipment
- Cyber Security Audit of units
- Organization size- 3000

Second-in-Command, Battery Commander, Air Defense Missile Unit-Aug 2008 - Jun 2010

- Planning and conduct of Air Defense Operations in support of designated units
- Planning and conduct of Operational Training of all the ranks of the unit
- Setting up of Command and Control Centre for the unit operations including setting up and maintenance of data and voice network
- Setting up of Surveillance Grid in the AOR
- Career planning of troops under command

Company Commander, Rashtriya Rifles Battalion- Jun 2006 - Aug 2008

- Planning and conduct of Counter Insurgency Operations in the Area of Responsibility (AOR)
- Develop and monitor intelligence network in the AOR
- Maintenance of supply lines for the troops deployed in high ridges
- Provide assistance to civil administration during crisis of any kind

Battery Commander, Chief-of-Station, Air Defense Missile Unit- Jun 1999 - Jun 2006

- Planning and conduct of Air Defense Operations in support of designated units
- Setting up of Surveillance Grid in the AOR
- Operational Training of troops under command
- Career Planning of troops under command

Projects

Igla Missile Firing Simulator - Weapon and Operational Training Simulator

- Mock up based Weapon and Operational Training Simulator for Igla Missiles

Schilka Firing Simulator - Weapon and Operational Training Simulator

- Mock up based Weapon and Operational Training Simulator for Schilka Weapon System
- Provided near real training on engagement of Air Targets in various operational scenarios in varied terrains

Zu 23mm Gun Firing Simulator - Weapon and Operational Training Simulator

- Strap-on-kit Simulator for the training on Gun Firing
- Provided near real feel of Air Defense Gun Firing in various operational scenarios in varying terrains

Education

- Certificate Course in Management, IIM Ahmedabad, Mar 2020
- PGD (Personal & Security Management), Pune University, Apr 2010
- MMSc (Air Defense Systems & Operations), Behrampur University, Mar 2005
- BSc (Tech) (Electronics Engg), Mumbai University, Jun 1996
- BSc (Physics), Mumbai University, Jun 1993

Certifications

- Certificate Course in Basic Explosives
- Certificate Course in Industrial Relations
- Lean Six Sigma Green Belt
- Scrum Master Accredited Certification

Languages Known

Hindi, Marathi, English, Gujarati