

Brief Resume of Dr. V.Rama Krishna

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My self Dr.V.Rama Krishna working as Scientist 'F' & Additional Director in Naval Science & Technological Laboratory (NSTL), DRDO, Visakhapatnam. I did my **B.Tech** (Mechanical Engineering) from **Regional Engineering College, (REC), Warangal** with distinction in 2001, **M.B.A** (Financial Management) from **IGNOU, New Delhi** with First Class in 2011 and **Ph. D** in (Mechanical Engineering) from **National Institute of Technology (NIT), Warangal** in 2018.I did Certified Course in R&D Management **from IIM,Vizag & ITM (DRDO),Mussouri** during Aug-Oct 2020 **with Grade-A**

Selected in campus placements in B.Tech, REC Warangal and joined in DRDO at **Institute of Armament Technology (IAT), Pune** in 2001 for orientation program. Subsequently joined in **SF Complex, DRDO, Jagdalpur** in Dec 2001 and worked in the project **“Development and testing of large sized case bonded rocket motors for the AGNI class of missiles”**. In March 2010 joined in **NSTL, Visakhapatnam** and worked in the project **“Stealth Technology ”**.I have worked in the areas of vibration testing, vibration measurements and vibration & noise control areas. I have also worked in the area of Prediction, Experimental Validation and Noise control of non- cavitating underwater Propeller noise which is the main aim of stealth technologies. Presently working as **Additional Project Director (APD) of Advanced Light Weight Torpedo (ALWT)**

Awards/Honours

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- **Team Member of “National Project Excellence award NPEA-2024” for the best Technology of project ALWT.**
- **Silicon Medal winner-2017 on National Science Day for the best paper presentation in NSTL,DRDO, Visakhapatnam**
- **Team Member of Laboratory Technology Group award 2007 for "Establishment of 300t static test bed facility" at S.F.Complex, DRDO, Jagdalpur."**
- **“Education Excellence Award -2022” by Telangana Information Technology Association (TITA),Hyderabad**
- **“Research Excellence Award 2024 (Govt.Org/Industry)” by The Institution of Engineers (IEI),India-Navi Mumbai Local Centre(NMLC) in collaboration with Angel Charities Fr.C.Rodrigues Institute of technology (FCRIT)-IEI NMLC-FCRIT**
- **Deputation in Abroad: Participated in Land Forces-2024 international Land Defence Exposition in Melbourne, Australia from 11-13 September 2024**

Patents Granted:

- South Africa Patent no: 2023/03426 dt:25-10-2023, entitled “Automatic Lifting Machine”
- Indian Patent no:510504 dt :28-08-2019,entitled “A Marine Propeller”
Date of grant:14-02-2024
- Indian Patent no: 534951 dt :01-10-2020, entitled “Automatic Lifting Machine” Date of grant:25-04-2024
- Russian Patent no:2791969,entitled “A Marine Propeller” Date of grant:04 July 2024
- South Korean Patent no:10-2773899,date of grant: 24-02-2025, entitled “A Marine Propeller”
- Russian Patent no: 2810150, date of grant:25-04-2025, entitled “An Article Handling System”

Patents Applied:

- “A Marine Propeller-US, Japan & European national(Denmark)
- Automatic Lifting Machine (ALM)- US
- Optimized Marine Engine Foundation for Enhanced Vibration Control- Indian

Awarded Ph.D entiled:

- “PREDICTION AND REDUCTION OF NON-CAVITATING NOISE LEVELS IN MARINE PROPELLERS” from NIT,Warangal in 2018

Membership of Professional Societies/Academics:

- Life Fellow and Executive Council member of VLC, Visakhapatnam of Institute of Engineers (IEI),
- Life Fellow and Joint Secretary of Acoustical Society of India (ASI),
- Life member and Executive Council member of Condition Monitoring Society of India (CMSI),
- Life member of High Energy Material Society of India (HEMSI)
- Life Member(LM -217) and Secretary of INSARM, Vizag local chapter
Life Fellow of Indian National Society for Aerospace & Related Mechanism (I.N.S.A.R.M.)

PAPERS PRESENTED IN JOURNALS AND CONFERENCE:

- I have presented 34 paper in various Journals and conferences, delivered lectures in various engineering colleges & Institutes, Member of Board of studies of various universities & Engineering colleges, adjudicated Phd thesis of various universities and guided Phd, M.Tech and B.Tech students. Reviewed Phd thesis of various students.
- Organised various conferences, symposiums and various programs.
- Member for various committees in/outside the organization.

DELIVERED LECTURE: Delivered so many guest lectures in various universities and institutions

ADDITIONAL RESPONSIBILITIES:

1. **Phd Guide:** Acting as Ph.D guide for 05 Phd students
 2. **M.Tech Guide:** Acted M.Tech students project guide for 18 students
 3. **B.Tech Guide:** Acted B.Tech students project guide for 08 students
 4. **Phd Adjudication:** Adjudicated PhDs from various universities and institutions.
 5. **Member-The Board of Studies –**
 - Mechanical engineering department, VR Siddartha College of Engg., Vijayawada
 - Mechanical engineering department, Vignan's Institute of Information Technology (VIIT), Visakhapatnam
 - Mechanical engineering department, JNTU, Vizianagaram
 - Aditya Engineering College- Surampalem, Samarlokata
 - Mechanical engineering department, Andhra university, Visakhapatnam
 - Mechanical engineering department, Gayatri Vidya parishad College of Engineering (GVP), Visakhapatnam
 - Mechanical engineering department, ANITS College of Engineering, Visakhapatnam
 - Mechanical engineering department, JNTU, Kakinada
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- **TECHNO- MANAGERIAL RESPONSIBILITIES**
 - As an Additional Project Director of ALWT, planned and controlled all activities.
 - As a nodal officer of IPR, filed various patenets of Indian and international
 - As a Resource Generation officer from 2014 for NSTL, streamlined all the procedures and NSTL generated around Rs 30 Lakhs from the financial year 2016.

- As a Group Head of vibration division, I am responsible for all activities to be carried out by the division which include planning, scheduling, coordinating day to day tasks.
- Member of LPC (Local Purchase Committee) of NSTL material department for 2 years.
- Executive member for NSTL educational society since 2015.
- Thirty (30) Papers presented in various national and international journals and conferences, Project guide for 08 M.Tech and B.Tech Students, Delivered 10 lectures for various organization's and Engineering Colleges.
- Organized International and national conferences, NRB's, Steering committees, NSTL day.
- Centre coordinator in conducting CEPTAM-2013,2014,2015 exams at Visakhapatnam.
- Member for various committees like SPC,TEC,TPC.
- Member official Works Committee 2020-2023
- Election officer of Works Committee elections for 2020-2023
- Deputy Chairman for Lab Raising Day 2020 celebrations (LRDC-2020)
- Organizing Secretary for National Symposium on Acoustics (NSA-24) in NSTL,Visakhapatnam

(Dr.V.Rama Krishna)
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