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### Qualification

- ✚ PRCN-Navy (2021)  
OTA Kamptee, Nagpur
- ✚ Ph.D (2016)  
YMCA UST Faridabad
- ✚ M.Tech (2009)  
NIT Kurukshetra
- ✚ B.Tech (2004)  
Kurukshetra University
- ✚ Diploma (2001)  
G. P. Nilokheri

### Career Summary

- ✚ **Current:**  
Assistant Professor  
with JCBUST YMCA  
Faridabad since 2010
- ✚ **Past:**  
Assistant Professor with  
NIT Kurukshetra (2009)
- ✚ Lecturer with DVIET  
Karnal (2005-2007)
- ✚ Lecturer with SITM  
Rewari (2004-2005)

# S. Lieutenant (Dr.) Krishan Verma



## Assistant Professor (Level-12)

Department of Mechanical Engineering  
 J. C. Bose University of Science & Technology, YMCA  
 Sec-6, Mathura Road, Faridabad-121006  
 Haryana, India

### Professional Overview

An Academician cum Commissioned Officer of Indian Navy in NCC with 20+ years of highly organized progressive career in academics with an aim to be a lifelong scholar. The prime objective is to inspire students to pursue academic & personnel excellence.

### Awards, Recognitions, Achievements & Key Skills

- **Appreciation Award** by R&D Cell, JCBUST, YMCA, Faridabad (2025) for getting DST Haryana sponsored research project with grant of **Rs. 12 Lacs**.
- **Appreciation Award** for Community Service by DSW, JCBUST, YMCA, Faridabad (2025) for conducting activities being **Director, Social Responsibility**
- **Appreciation Award** for being Technical Club Coordinator by DSW, JCBUST, YMCA, Faridabad (2025) for coordinating with activities under **IJYA Club**
- **Appreciation Award** for being **ANO (NCC Naval wing)** by DSW, JCBUST, YMCA, Faridabad (2025) for coordinating with activities under **Centre for NCC**
- **Best research paper** award in CPIE-2023 by NIT Jalandhar
- **Best ANO** of Battalion by CO, 1 Har NU NCC, Faridabad during 2022-23.
- **Silver Medal** by Commandant, NCC OTA-K, Nagpur in PRCN, 2021.
- **CAE tools** i.e. CATIA, ANSYS, Pro-E, Uni-Graphics, Solid-Works, Auto-CAD etc.

### Patents /Sponsored Projects

- DST Haryana sponsored research project entitled **“Indian Sign language recognition using EMG based Smart Watch”** as **Principal Investigator** with grant of **Rs. 12 Lacs** (2024-25)
- Design Patent entitled **Leaf Spring Suspension System for E-Rickshaw** has been registered by Indian Patent Office, No. 400418-001, **The Patent Office Journal No. 19/2024** Dated of Grant: 08.05.2024, Date of Registration: 22.11.2023
- Patent entitled **System for Mobile Decontamination Chamber** has been published by Indian Patent Office, No. 47988, **The Patent Office Journal No. 42/2021** Dated of Publish: 15.10.2021, Date of Filing 11.04.2020
- Successfully completed Industrial sponsored project entitled **“Design & Fabrication of a Two Seat Solar Car”** as **Principal Coordinator** with grant of **Rs. 5.85 Lakhs** (2018-19)
- Successfully completed University sponsored project entitled **“Design & Fabrication of an Electric Solar Vehicle”** as **Chief Coordinator** with grant of **Rs. 1.2 Lakhs** (2017-18)

### Publications (Details)

- **Research Papers Published in Journals/ Conferences** : 18/13
- **Book/Book Chapters Published** : 13

### Supervision

- **Ph.D** : 01 Awarded, 03 Ongoing
- **M.Tech** : 10 Successfully Completed

### ***Current Responsibilities***

- *Member of BoS (Centre for NCC Studies) at DCRUST Murthal (November 2024 Onwards)*
- *Coordinator of NIRF- Innovation discipline at JCBUST YMCA Faridabad (September 2023 Onwards)*
- *Faculty Coordinator of 2022-26 batch in Deptt. of Mechanical Engineering (July 2022 Onwards)*
- *Website Coordinator of Deptt. of Mechanical Engineering (May 2022 Onwards)*
- *Director-Social Responsibilities at JCBUST YMCA Faridabad (September 2020 Onwards)*
- *Associate NCC Officer (Navy Wing) at JCBUST YMCA Faridabad (August 2019 Onwards)*
- *Additional Chief Hostel Warden of Boy's Hostels at JCBUST YMCA Faridabad (Jan 2019 Onwards)*
- *Member of Institute Innovation Cell at JCBUST YMCA Faridabad (2019 Onwards)*

### ***Expert Lectures/Invited Talks Delivered/Sessions Chaired***

- *Industrial application of CAD tools at Deptt of Mechanical Engineering of JCBUST YMCA Faridabad*
- *Benefits of NCC to Cadets & Importance of COC at Centre for NCC Studies of DCRUST Murthal*
- *Weapon Maintenance at Centre for NCC Studies of DCRUST Murthal*
- *Weapon Training of .22 rifle at Centre for NCC Studies of DCRUST Murthal*
- *Aircraft Technology at Deptt of Mechanical Engineering of JCBUST YMCA Faridabad*
- *Cyber Frauds & Security at Centre for NCC Studies of DCRUST Murthal*
- *Social Awareness & Community development at Centre for NCC Studies of DCRUST Murthal*
- *Career prospects in Indian Navy at Centre for NCC Studies of DCRUST Murthal*
- *Personality Development at Centre for NCC Studies of DCRUST Murthal*
- *0.22 Rifle: Construction, Working & Maintenance of Weapon at DCRUST Murthal*
- *“Mentor-Mentee Activity Management” in PDP at JCBUST YMCA Faridabad*
- *“Mentor-Mentee Booklet” in Webinar JCBUST YMCA Faridabad*
- *Chaired a session in International Conference at DCRUST Murthal (March 2021)*
- *“Aatma Nirbar Bharat” in International Conference at DCRUST Murthal (March 2021)*
- *“National Integration & its Importance at DCRUST Murthal*
- *Chaired a session in International Conference at DCRUST Murthal (Nov 2020)*
- *“Aircraft Technology” in Workshop at JCBUST YMCA Faridabad*
- *Chaired a session in National Conference at JCBUST YMCA Faridabad*
- *“Architectural Design of Ponds through CAD” in Online Workshop at JCBUST YMCA*
- *“Introduction & Application of G-Suite Package” in Workshop at DCRUST Murthal*
- *“Computer Aided Structural Design” in Online VAC at JCBUST YMCA Faridabad*
- *“CAD: Technological Industrial Practices” in FDP at JCBUST YMCA Faridabad*
- *“Application of CAD tools for Civil Engineers” in FDP at JCBUST YMCA Faridabad*
- *“Scope of Mechanical Engineering in Aviation” in Workshop at JMIT Radaur*
- *“Design Optimization using CAE Tools” in FDP at DCRUST Murthal*

### ***Reviewer of Journals/Conferences***

- *International Conference on Trends & Advances in Mechanical Engineering (ICTAME-2026) held on 16-17 April 2026 at J C Bose University of Science & Technology YMCA Faridabad, India*
- *International Journal of Computer Aided Engineering and Technology of Inderscience Publishers*
- *National Conference on Re-establishment of Bhartiyyata in Present Era held on 08-09 August 2020 at J C Bose University of Science & Technology YMCA Faridabad, India*

### ***Technical Memberships***

- *Life Member of Institution of Engineers, Kolkata*
- *Life Member of Indian Society for Technical Education, New Delhi*
- *Life Member of Indian Society for Heat and Mass Transfer, IIT Madras*