



krishankumar@jcboseust.ac.in
dr.krishanverma.me@gmail.com

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Scholar

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 Submitted, 02 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 Journal of Computer Aided Engineering and Technology** of Inderscience Publishers
- **National Conference on Re-establishment of Bhartiya 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**