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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

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 15+ 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

- **Best research paper** award in CPIE-2023 by NIT Jalandhar
- Recognized as **Best ANO** of Battalion by Cap Vivek Kumar, CO, 1 Har NU NCC, Faridabad for contribution in various NCC activities during training year 2022-23.
- Awarded with **Silver Medal** by Maj Gen Alok Beri, Commandant, NCC Officers Training Academy, Kamptee, Nagpur (MH) for overall second position in Pre-Commission course PRCN-170/NAVY-04 during 26 July-23 Oct 2021.
- Expertise of conducting/developing online teaching learning and evaluation through different tools like G-Suite, OBS, ZOOM, WebEx etc.
- CAE tools i.e. CATIA, ANSYS, Pro-E, Uni-Graphics, Solid-Works, Auto-CAD etc.

### Patents /Sponsored Projects

- Design Patent entitled **Leaf Spring Suspension System for E-Rickshaw** has been granted 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 Externally sponsored project entitled **“Design & Fabrication of a Two Seat Solar Car”** as **Chief 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)**

### University Responsibilities

- **Director-Social Responsibilities** at JCBUST YMCA Faridabad
- **Additional Chief Hostel Warden** of Boy's Hostels at JCBUST YMCA Faridabad
- **Associate NCC Officer (Navy Wing)** at JCBUST YMCA Faridabad
- **Website Coordinator** of Deptt. of Mechanical Engineering
- **Nodal Officer** for ARIIA-2022
- **Member of Institute Innovation Cell** at JCBUST YMCA Faridabad
- **Member of various committees** formed for NAAC, NBA, NIRF, ARIIA etc.
- **Former TEQIP-III Coordinator** of Deptt. of Mechanical Engineering
- **Former member** in PG-BoS (Mechanical Engineering) and BoS (Civil Engineering)

### Publications

- **Research Papers Published in Journals** : 16
- **Research Papers Published in Conferences** : 13
- **Book Published** : 01
- **Book Chapters Published** : 09

### Supervision

- **M.Tech/ Ph.D** : 10 Completed/ 02 Ongoing



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

- **Cyber Frauds & Security** at Centre for NCC Studies of DCRUST Murthal
- **Social Awareness & Community development** 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

## **Technical Events Organized**

- Member of organizing committee for one-week AICTE sponsored STTP on **Research, Researcher and Supervisors: Enhancing Capabilities, Ethics and Relationships** held on 23-28 March 2022
- Organizing Secretary of one-week AICTE approved online faculty development program on **Advances in Manufacturing Technology: CNC & Robotics** held on 12-16 July 2021 at J C Bose University of Science & Technology YMCA Faridabad
- Organizing Secretary of one week **Professional Development Program for Newly Recruited Faculty Members** held on 28 June- 03 July 2021 at J C Bose University of Science & Technology YMCA Faridabad
- Organizing Secretary of one day Interactive Session/Webinar on **Aspects of Building Successful Mentoring Relationship** held on 28 May 2021 at J C Bose University of Science & Technology YMCA Faridabad
- Member of organizing committee of two days **International Conference on Trends & Advances in Mechanical Engineering (ICTAME-2021)** held during **18-19 March 2021** at Deptt. of Mechanical Engineering of J C Bose University of Science & Technology YMCA Faridabad
- Member of organizing committee for one week AICTE approved online short term course on **New Dimensions in Research Support Services: A Contemporary Library Perspective** held on **15-21 March 2021** at J C Bose University of Science & Technology YMCA Faridabad
- Member of organizing committee for one week TEQIP-3 sponsored online short term course on **Supply Chain Management** held on **13-17 March 2021** at J C Bose University of Science & Technology YMCA Faridabad
- Member of organizing committee of two days National level competition **Chunautee-21: Solutions for Diyangjan** held on **12-13 March 2021** organized by Institution Innovation Council at J C Bose University of Science & Technology YMCA Faridabad
- Technical coordinator & Member of Organizing Committee of **International e-Conference on Srishti Nayak Ram the God and Hero of Masses: Overlapping Cultural and Literary Horizons** held on 06-08 November 2020 at DCRUST Murthal
- Coordinator of one week AICTE approved online faculty development program on **Advances in Manufacturing Technology: CNC & Robotics** held on 21-26 September 2020 at J C Bose University of Science & Technology YMCA Faridabad
- Organizing Secretary of one week AICTE approved online faculty development program on **Advances in Manufacturing Technology: CNC & Robotics** held on 17-22 August 2020 at J C Bose University of Science & Technology YMCA Faridabad
- Organizing Secretary of **National e-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
- Faculty Coordinator of one week online faculty development program on **Research and Development in Composite Materials** held on 27-31 July 2020 at J C Bose University of Science & Technology YMCA Faridabad

- Organizing Secretary of one day online International Symposium on **COVID-19 & Beyond: The new normal in HEI's** held in 10 June 2020 at J C Bose University of Science & Technology YMCA Faridabad
- Organizing Secretary of one week online faculty development program on **Research in Modern Era** held in 01-05 June 2020 at Deptt. of Mechanical Engineering of J C Bose University of Science & Technology YMCA Faridabad
- Member of organizing committee of three days **Aatmanirbhar Bharat Hackathon -2020** held on 20-22 May 2020 at J C Bose University of Science & Technology YMCA Faridabad
- Convener of two day workshop on **Aircraft Engine Systems** in collaboration with Pratt & Whitney-United Technologies Corporation: A Leading Manufacturer of Aircraft Engine's during July 2017 at Deptt. of Mechanical Engineering of YMCA University of Science & Technology Faridabad
- Chief Editor & Member of organizing committee of two days **National Conference on Trends & Advances in Mechanical Engineering (TAME-2017)** held in March 2017 at Deptt. of Mechanical Engineering of YMCA University of Science & Technology Faridabad
- Member of organizing committee of two days **International Conference on Sustainable Development through Research in Engineering and Management (SDREM-2016)** held in December 2016 at Deptt. of Management Studies of YMCA University of Science & Technology Faridabad

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

- **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

### **Short Term Courses / STTP's/ FDP's/ Workshops/ Seminars Attended**

- Short Term Courses/STTP : 17
- Faculty Development Programs : 16
- Workshops/Seminars : 05

### **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**