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| Name of Faculty | Dr. Hari Krishan Yadav |
| Designation | Assistant Professor |
| Nature of Job/Appointment | Contract |
| Date of Joining | 01-02-2021 |
| E-mail | harikrishanyadav_mech@cbit.ac.in |

| **Education Qualifications** | **Name of the Degree** | **Class** |
|---|---|---|
| Ph. D | Doctor of Philosophy (Metallurgical & Materials Engineering) | Awarded |
| PG | M. Tech (Materials Engineering) | First |
| UG | B. Tech (Manufacturing Technology) | First |

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| **Work Experience** | 02 Years 02 Months |
| Teaching | 01 Year 08 Months |
| Research | 06 Months |
| Industry | -- |
| Others | -- |
| Area of Specialization | Mechanical Metallurgy, Creep, Microstructure, Materials Engineering and Mechanical Characterization. |
| Professional Memberships | -- |
| Responsibilities held at Institution Level | -- |
| Responsibilities held at Department Level | -- |
| Research Guidance | -- |
| Awards Received | 1. 2nd Prize for poster presentation during “Research Scholar Day 2019” held at NIT Nagpur |
| Courses Handled at Under Graduate / Post Graduate Level. | Entrepreneurship, Computer Aided Design & Drafting, Workshop, UHV, Computer Aided Engineering, Metal Cutting and Machine tools Lab |
| No. of Papers Published | National Journals – 00 International Journals – 04<br>National Conference – 00 International Conference – 03 |
| Projects Carried out | -- |
| Patents | Worked as Team Member in the following Technology Transfer |
| Technology Transfer | 1. Highly compact cost-effective RO/Nanofiltration system Technology Transfer with varying capacities of 50-200 LPH for the small helmets.<br>2. Novel low-cost cascaded RO System for Production of Zero TDS Water |
| Invited Speaker | -- |
| No. of Books/Chapter Published with details | -- |

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (**Attended**).

1. FDP on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 19 July, 2021 to 23 July, 2021.
2. STTP on “Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing”, organized by Department of Mechanical Engineering, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, Andhra Pradesh from 26th July 2021 to 31st July 2021.
3. AICTE Recognized Faculty Development Program on Smart Materials Processing and Applications Conducted by Applied Science Department from 25/07/2022 to 29/07/2022
4. Workshop on “Mechanical behavior of Materials, conducted by Department of Materials Science & Engineering, IIT Kanpur, during 30 Oct to 03 Nov 2018.
5. Workshop on “Failure Analysis of Engineering Materials, organized by Department of Metallurgical & Materials Engineering, VNIT Nagpur, during 9th – 13th December 2017.
6. National Workshop on “Advances in Steel Technology: processing, properties & performance” organized by Department of Metallurgical & Materials Engineering, College of Engineering, Pune, during March 24-25, 2017.

Details of Journal Publications/ Conferences **(National and International)**

**International Journals**

1. Hari Krishan Yadav, A R Ballal, M MThawre, and V.D. Vijayanand, Recovery and recrystallization during creep exposure of cold worked Ti-modified 14Cr-15Ni austenitic stainless steel, Materials At High Temperature, Taylor & Francis Group, 2020, vol. 37, page 221.
2. Hari Krishan Yadav, A R Ballal, M MThawre, and V.D. Vijayanand, Analysis of transient and tertiary creep behavior of Titanium modified 14Cr-15Ni stainless steel, Materials Research Express, IOP Publishing, 2020, vol. 7, page 016580.
3. Hari Krishan Yadav, A R Ballal, M MThawre, and V.D. Vijayanand, Assessment of microstructural evolution in cold-worked Ti-modified 14Cr–15Ni austenitic stainless steel on creep exposure, “Materials Research Express”, IOP Publishing, 2019. vol. 6, page 096591.
4. Hari Krishan Yadav, Lakshmiprasad Maddi, A. R. Ballal, D. R. Peshwe and Venkateswara Rao, “Structural and Mechanical Characterization of Service Exposed 2.25Cr–1Mo Steel” Transactions of the Indian Institute of Metals, 2017, vol. 70, page 1091.

**International /National Conferences**

1. Hari Krishan Yadav, A R Ballal, M MThawre, and V.D. Vijayanand, “Microstructure Evolution During Creep of Cold Worked Austenitic Stainless Steel” IOP Conf. Ser.: Mater. Sci. Eng., 2018, vol. 346, page 012020.
2. Hari Krishan Yadav, A R Ballal, M MThawre, and V.D. Vijayanand, “Creep studies of Cold Worked Austenitic Stainless Steel” Structural Integrity Procedia, 2019, vol. 14, page 605.
3. Ashish Vaidya, Atul Ballal, Hari Krishan Yadav, and DilipPeshwe, “Stress Rupture Studies of V-notched Grade 92 Steel for High Temperature Applications” Structural Integrity Procedia, 2019, vol. 14, page 410