



ASHUTOSH KUMAR
M.Tech- Materials Engineering(Pursuing 2021-23)
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IISc Bangalore, Karnataka, 560012



KEY EXPERTISE / SKILLS

Optical Microscopy Universal Testing Machine Ultrasonic testing Microhardness testing machine Origin6.0

EDUCATION

Maulana Azad National Institute of Technology B.Tech. - Material Science And Metallurgical Engineering CGPA: 8.91 / 10.00	2017 - 2021
SUNBEAM ENGLISH SCHOOL BHAGWANPUR VARANASI, Varanasi 12 th CBSE Percentage: 86.40 / 100.00	2017
CENTRAL HINDU BOYS' SCHOOL KAMACHHA, BHU ,VARANASI, Varanasi 10 th CBSE CGPA: 9.80 / 10.00	2015

INTERNSHIPS

Reliance Industries Limited	July 1, 2020 - July 31, 2020
Key Skills: Reliability Problem Analysis Teamwork Inspection	
A virtual Internship project titled "Customization of Furnace Analytics Portal for Reliability Monitor" in which I worked to Identify Key Parameters of the Analytical Portal to Increase the Efficiency of the Reliability Monitoring and suggested two new inspection methods based on the analysis.	
AMAZING INNOVATORS ED-TECH PRIVATE LIMITED	Aug. 1, 2018 - Aug. 31, 2018
Key Skills: Problem Solving Communication Teamwork	
This internship covered the responsibility of developing course content, mentoring and doubt solving for the CHEMISTRY section on MY TUTOR247 online platform.	

PROJECTS

SYNTHESIS AND PROPERTY EVALUATION OF Al-Si-SiC COMPOSITES	Jan. 17, 2019 - April 16, 2021
Mentor: Dr. S Das, Former Director, CSIR-AMPRI Team Size: 5	
Key Skills: Casting Characterization Mechanical Testing Material Selection Microstructure	

Through this project, we casted lightweight Al-Si-SiC composite with different composition of SiC and evaluate its mechanical properties specially Fatigue Behaviour. We will also analyse the relationship between the microstructure of fatigue-failed sample, its composition and testing parameters.

ACHIEVEMENTS

- Best NCC Cadet award in CATC-312 by 7 UP SQN NCC BHU Varanasi.
- Winner in Bharat Manthan organized by Toorynad MANIT 2018
- Winner in Metallurgy Quiz under Diamond Jubilee Celebration, MANIT Bhopal.
- AIR 109 in GATE 2021 (MT)

AWARDS AND SCHOLARSHIPS

- Kashi Naresh Dr. Vibhooti Narayan Singh Fellowship
- BRILLIANT-35 scholarship by SUNBEAM Group

ASSESSMENTS / CERTIFICATIONS

Tata Steel E learning

Key Skills: Industrial metallurgy Basics

E Learning course on Basic Metallurgy by Tata Steel.

SEMINARS / TRAININGS / WORKSHOPS

Global Steel Industry Sustainability (GSIS2020) Institute Name: National Institute of Technology Durgapur

Aug. 2, 2020 - Aug. 2, 2020

Key Skills: Green Steel Sustainability Environmental Challenges

One day International Webinar mainly focused on Environmental issues related to steel industries and possibilities of using Bio Mass and Hydrogen in refining of iron ore.

Scientific and Technological Writing Skills

Dec. 16, 2019 - Dec. 20, 2019

Institute Name: Maulana Azad National Institute of Technology

Related to the writing of research proposals, theses, reports, research papers, drafting and filing of patents.

National Workshop on Engineering Failure Analysis

Dec. 1, 2019 - Dec. 1, 2019

Institute Name: Society for Failure Analysis, Hyderabad

A one-day inaugural workshop for the Society for Failure Analysis, Bhopal in which basic theory and some case studies of IGCAR was discussed.

Vocational Training

May 6, 2019 - May 18, 2019

Institute Name: Bhilai Steel Plant (SAIL)

Exposure to the integrated steel plant to make familiar with the processes involved in the extraction of iron from its ores followed by its conversion to various grades of steel and the production of commercial goods.

Virtual Laboratories

April 6, 2019 - April 6, 2019

Institute Name: Indian Institute of Technology Kanpur

One day informative session about virtual laboratories and its uses.

Industrial Metallurgy and Quality Control

Feb. 11, 2019 - Feb. 19, 2019

Institute Name: Indian Institute of Technology Indore

Short term course discussing various manufacturing process and quality control techniques in the industries.

Mechanical Behaviour of Materials

Oct. 30, 2018 - Nov. 3, 2018

Institute Name: Indian Institute of Technology Kanpur

Short term course covering the theoretical and practical aspects in Mechanical Behaviour of Materials.

CO-CURRICULAR ACTIVITIES

- Worked as Hindi Editor in Editorial Board, MANIT Bhopal.
- Content Writer and Event Manager at PURGE MANIT Bhopal.

EXTRA CURRICULAR ACTIVITIES

- Volunteered National Workshop AMCT-2019 organised by MME, MANIT Bhopal.
- Worked as Mess Convenor in Student Cooperative Mess, H6 during July'19 to Jan'20.

PERSONAL INTERESTS / HOBBIES

- Writing Hindi Poems, Playing Cricket

IMs

- WhatsApp - 7389471028
- Skype - live:.cid.ec3629aaf8dab763
- Other - <https://www.linkedin.com/in/ashutosh-kumar-bb4b32143>

PERSONAL DETAILS

Gender: Male

Marital Status: Unmarried

Current Address: Room No - 42, Hostel - U Block, Indian Institute of Science Bangalore, Karnataka, India-560012

Date of Birth: Nov. 15, 1999

Known Languages: Hindi and English

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REFERENCES

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- Dr. C SasiKumar
(Assistant Professor, MANIT Bhopal)
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