VIKAS TIWARI

Ph.D. – Materials Science and Engineering
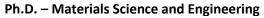
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BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

I strive to gain and apply relevant technical knowledge & non-technical abilities in the different fields of materials science. The qualities that I find within myself are sincerity, honesty and curiosity to learn which motivate me a lot towards research.

KEY EXPERTISE / SKILLS

Enthusiastic   Optimist   Perseverance   Honest   Hordworking

EDUCATION

Indian Institute of Technology, Kanpur Ph.D. - Materials Science and Engineering | CGPA : **9.43 / 10.00**	2020 - 2025
Maulana Azad National Institute of Technology B.Tech. - Material Science And Metallurgical Engineering | CGPA: **8.57 / 10.00**	2016 - 2020
Sri Gandhi Smarak I C, Hata,Kushinagar (Uttar Pradesh) 12th | BHSIEUP | Percentage: **89.80 / 100.00**	2015
Sri Gandhi Smarak I C, Hata,Kushinagar (Uttar Pradesh) 10th | BHSIEUP | Percentage: **85.50 / 100.00**	2013

AWARDS AND SCHOLARSHIPS

- Was among the top 3 students in department during B.Tech
- TEQIP Quiz - 2019 topper at IIT Indore
- Secured first position in 12th standard in school and position among top 10 in district merit list
- Awared by the Govt. of U.P. under the free laptop distribution for mertitorious students in 2015
- Offered GET position in the renowned organisation AM/NS

INTERNSHIPS

National Metallurgical Laboratory   May 6, 2019 - July 5, 2019

Key Skills: Metallurgy   Data Analysis   Origin   MATLAB

In this industry oriented training I performed "Modelling on Creep behaviour of P91B grade steel by using LCSP Model" and tried to make a prediction of strain in different conditions by curve fitting in MATLAB. This models gives a precise results about failure predictions of high temperature steel grade (e.g. P91B or Modified 9-Cr 1-Mo steel with addition Boron). It calculates strain developed in materials under various loading nad temperature conditions. This training gave me a fruitful exposure to various industrial issues.

PROJECTS

Graphene coating on Mild steel for corrosion resistance   Feb. 21, 2019 - March 28, 2019

Mentor: Dr. S Das , Ex. CSIR Director   \| **Team Size:** 5

Key Skills: Metallurgy   Mild Steel   Corrosion

Corrosion is a humongous and serious problem for the industries which constitutes for huge losses. Thus in pursuit of solving this problem, we initiated our minor project on use of graphene coating for mild steel engineering components. On the basis our experiments , graphene came out to be a good corrosion resistant material. .

ACHIEVEMENTS

- Served as Class Representative for the batch of Materials and Metallurgical Engineering in the year 2017-18
- Society head at Purge-MANIT, Environmental society of college.

SEMINARS / TRAININGS / WORKSHOPS

Virtual Laboratories Institute Name: Indian Institute of Technology Kanpur   April 6, 2019 - April 7, 2019
Attended the innovative workshop on virtual Laboratories.
This allows users to perform practical work or experiments on real system via interactive web base tool.

Industrial Metallurgy & Quality Control   Feb. 11, 2019 - Feb. 17, 2019

Institute Name: Indian Institute of Technology Indore

Key Skills: Quality Control · Industrial · Metallurgy

Week-long seminar on industrial applications of metallurgical engineering and quality control and management involved in various manufacturing processes

EXTRA CURRICULAR ACTIVITIES

- Student coordinator at Purge Manit during 2019-2020
- Event manager in Blizzard at TechnoSearch 2018

PERSONAL INTERESTS / HOBBIES

- Playing Cricket, basketball, listening music, listening Stories.

PERSONAL DETAILS

Gender: Male
Marital Status: Unmarried

Date of Birth: June 5, 1997
Known Languages: Hindi, English
Permanent Address: Vill-Pokharbhinda No. 2, Post- Jhanga Bazar, Dist- Kushinagar, Uttar Pradesh. Kushinagar 274203, Kushinagar, Uttar Pradesh, India - 274203
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