**Amit Kumar Tripathi**
M.Tech. Corrosion Engineering
PG(II Year I Semester)
Registration No: M.Tech./CRE/13543002/2015
Email: amittripathi7676@gmail.com

last updated on 23Jan, 2015

**Indian Institute of Technology Roorkee**

**Area(s) of Interest:** Carbon Nano materials, Material science ,corrosion testing and heat transfer.

| Educational Qualifications | Year | Board/Institution | CGPA* / % |
|---|---|---|---|
| M.Tech. 2nd Year | 2014 | Indian Institute of Technology, Roorkee | 7.429 |
| UG: Mechanical Engineering | 2013 | ABES Engineering College Ghaziabad | 77.64 |
| Twelfth | 2008 | F.A.A. Government Inter College Gonda | 76.2 |
| Tenth | 2006 | F.A.A. Government Inter College Gonda | 76.33 |

*on a scale of 10

## RESEARCH PUBLICATIONS

Amit Kumar Tripathi, Vaibhav Jain, Indranil Lahiri **"Growth of Vertically Aligned Carbon Nanotubes on Copper Substrate"** , "7th Bangalore India Nano" International conference., 2014

Krisna Kumar Karothiya, Amit Kumar Tripathi, Sanjay Kumar, Sandeep Singh **"Feasibility Analysis of Rootop Wind Turbine in India"** , Proceedings of international conference on " E.G.C.M.I.F.N., 2014

## INTERNSHIP INFORMATION

**Diesel Locomotive Shed Tughlakabad Delhi**
**Diesel Locomotive** (4 week)
I learned about diesel locomotive eg. Diesel engine and its operation and submitted report on turbocharger.

## PROJECTS

**IIT ROORKEE**
**Interface Engineering for Carbon Nanotube Growth** (July 2014 - ongoing )
The present study involves interface engineering of carbon nanotube growth In which project will proceed by growing vertically aligned carbon nanotube on copper substrate which is not grown now yet. Experiments on substrate and catalyst by providing suitable interface for nano applications will also be conducted.

**ABES ENGG. COLLEGE, GHAZIABAD**
**Feasibility Analysis of Rooftop Wind Turbine in India** (July 2012 - May 2013)
In this project focus on small scale wind turbine that can be installed on the top of the building is done. In which feasible region where these can be installed are selected on the basis of theoretical analysis considering coefficient of performance as 0.40.

## SKILLS AND ACHIEVEMENTS

| | |
|---|---|
| **Software Packages** | Origin, MS Office |
| **Academic Achievements** | 1.Got director silver medal for securing 2nd position in B.tech Mechanical 3rd year.<br>2.Got director silver medal for securing 2nd position in B.tech Mechanical final year. |

**Languages Known** English (SRW) , Hindi (SRW) , Sanskrit (RW)

## EXTRA CURRICULARS

**Technical fest** (2012)
Event Organizer at Genero'2012.

**Technical fest** (2012)
Participated in event "Concrete" and got second rank.

**National workshop** (2012)
Attended a national workshop in the field of "Advances In welding Technologies".

**Technical fest** (2010)
Event coordinator at Genero'2010.

**State Science Seminar** (2005)
Reached up to state level in " STATE SCIENCE SEMINAR"

**Uttar Pradesh Bharat Scouts and Guides** (2001)
Participated in Uttar Pradesh Bharat Scouts and Guides and position was excellent.

## PERSONAL DETAILS

**Father's Name:** Keshri Kumar Tripathi
**Date of Birth:** June 10, 1991
**Gender:** Male
**Contact No:** 8650023733
**Category:** General

**Permanent Address:** village and post nagwa , Gonda - 271123
**Current Address:** BF17, Cautley Bhawan, IIT Roorkee-247667

## REFERENCES

**Dr. Indranil Lahiri**
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**Dr. Debrupa Lahiri**
Assistant Professor
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