

SUBODH KUMAR

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OBJECTIVE

To be part of a globally esteemed Institute and learn and enhance my skills to benefit the society as well as develop my overall personality.

EDUCATIONAL QUALIFICATIONS

- Master of Technology in Atmospheric Oceanic Science & Technology Program at Centre for Atmospheric Science, **Indian Institute of Technology Delhi, India (IITD)** Passed M. Tech with CGPA 7.65 on scale of 10 during July 2011 to June 2013.
- Bachelor of Engineering in Mechanical Engineering from **RCET Bhilai under Chhattisgarh swami Vivekananda Technical University, Bhilai, Chhattisgarh**, – 490024. Passed BE with 75.25% aggregate during July 2006 to June 2010.

FINAL YEAR PROJECTS:

- (1) **Major Project in M-Tech:** Done one-year project titled as “Deterministic state of Atmospheric fields of Indian monsoon circulation using Regional climate model” IIT Delhi, India from Indian Institute of Technology Delhi, India (IIT Delhi) from July 2011 to June 2013. Present a Conference paper “A Preliminary study of aerosol -land atmosphere interactions during Indian summer monsoon using regional climate model”
- (2) **Major Project in B-Tech:** “Modeling & Solution of Truss using Finite element method & Ansys software & Performance Improvement and Emissions Reduction of Ethanol blended Gasoline Fueled Spark Ignition Engine using Different Compression Ratios.”

S.No	Class	Institute	Board	%
1.	10 th	S.N.H.S. School, Durg	C.G.	87.5%
2.	12 th	S.N.H.S. School, Durg	C.G.	80.02%

ACADEMIC EXPERIENCE

- Currently working on project “Prepare a size based database of North Indian Ocean Cyclones cyclones and studying their metrological characteristics using scatterometer products numerical by models during warming climate scenario” an **Indian Space of Research Organization (ISRO), Govt. of India** project from 12th May 2017 till date.
- Worked on “Validation of atmospheric flow fields of Indian monsoon circulation using high resolution global (LMDZ) at **Indian Institute of Technology New Delhi**, Delhi during year 2017-18.
- □ Worked on “Study of aerosol -land atmosphere interactions during Indian summer monsoon using WRF model at **Indian Institute of Technology New Delhi**, Delhi during year 2012- 13.
- 4 Years Teaching experience of Engineering college from April 2013 to June 2017 as an Assistant Professor.
- Worked as Subject Matter Expert (Mathematics, Physics) at **Abhyas Acedmy, Ahmedabad** India from May 2015 to December 2016.

TRAININGS AND INTERNSHIPS

- Completed workshop on Hyperspectral Remote Sensing and its Applications held by **Indian Institute of Remote Sensing (IIRS-ISRO)** outreach program at National Institute of Technology Rourkela, Odisha from 18 September 2017to 21 September 2017.
- Completed workshop on Remote Sensing and Digital Image Analysis held by **Indian Institute of Remote Sensing (IIRS-ISRO)** outreach program at National Institute of Technology Rourkela, Odisha from 21 August 2017 to 15 September 2017.
- Completed one year internship project training *from* **Indian Institute Of Technology Delhi, India (IIT Delhi, India)** titled as “Deterministic state of Atmospheric fields of indian monsoon circulation using Regional climate model ”” *from* July 2011 to June 2013 ” *from* June 2015 to May 2016.
- Completed one month of training completed in alternative energy sources from Bhilai Refractories Plant(BRP) in 2009.
- Completed one month of training completed in **Pollution control devices** have been installed and are operating effectively in Cement plants from Associated cement companies(ACC)in

2009.

- Completed Six weeks of training completed in **Performance Improvement and Emissions Reduction** instrument from Bhilai Steel Plant(BSP) in 2008.

ACHIEVMENTS AND EXTRA CURRICULAR ACTIVITIES

- SMART Training 2018: Attended SMART Training program in SAC- ISRO Ahmedabad during April 02 to 06 2018.
- MEDCOM 2014: International conference in G.L.Bajaj Engineering college greater Noida.
- IASTA2012: Participated in international conference in BARC.
- Qualified national level GATE entrance exam in 2011 and 2014.
- TECHNOPHILIA2009: Participated in NATIONAL LEVEL ROBOTICS WORKSHOP organize by IIT GUWAHATI.
- SRIJAN 2009: Participated in PAPER PRESENTATION organize by NIT RAIPUR.
- Secure FIRST position in group song in CSVTU YOUTH FESTIVAL 2009.
- Secure 1st prize in UDBHAV-2009 (NIT RAIPUR)
- Presently CO-CURRICULER & ACHEDEMIC INTERACTION COUNCIL (CAIC) Representative member in IIT DELHI from 2012-13.
- Active member of RENEWABLE ENERGY CLUB (CREDA) from 2008.
- Open House 2015 conducted by IIT-Delhi, Poster presented a live demonstration for the Future Directions for Weather & Climate Research in the Tropics.

PUBLICATION

- Lodh A., R.C. Raghva, K. Singh and S. Kumar (2012). A Preliminary Study of Aerosol-Land Atmospheric interaction using Regional model. (IASTA-2012/ SESSION-II/O-143 i.e. published in BARC IASTA 2012 book)".
- Kumar S., J. Panda, N. Jaiswal, B. K. Guha and S. Kant (2019). A scatterometer observation based study on structural characteristics of North Indian Ocean tropical cyclones during 1999-2018. (submitted in TAAC).
- Kumar S., J. Panda and S. Kant (2019). Analysing a size base database of North Indian Ocean Cyclones and Studying their Metrological Characteristics Using Scatterometer Products and ARW Model during 1999-2018. (under preparation).
- Kumar S., J. Panda and S. Kant (2019). Sensitivity of simulated NIO TC structure using Scatterometer Products and ARW Model. (under preparation).

- Kumar S., J. Panda and S. Kant (2019). Insinuation of observed relationship between TCs size and intensity over North Indian Ocean using scatterometer observation and ARW model (under preparation).

TECHNICAL SKILLS

- Sound knowledge of Languages and software: Basic knowledge of Matlab, Python, Shell, NCL, GRADS, ArcGis, QGIS, ENVI, ERDAS, Autocad, Pro-E, ANSYS, Unigraphics (nx4).
- Working experience in Ubuntu, Linux kernel, Windows.

PERSONAL STRENGTHS

- Can work efficiently in team, as well as individually
- Quick Learner, Problem solving ability.

HOBBIES AND INTERESTS

- Swimming, Singing, play - Cricket, football, Cooking
- Good command in English, Hindi languages
- Elementary knowledge of Sanskrit languages.

PERSONAL PROFILE

- Date of Birth : 4 march 1989
- Father's Name : Navin kishore singh.
- Contact No. : +91 7678483610, +91 8750033920
- Skype id : live:subodhsingh.iitd
- Marital Status : Single
- Permanent Address : C-201 M.V. Hall National Institute of Technology
Rourkela, Odisha - 769008, India

Date: 15/07/2019

Place: Rourkela

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