

Dr. RAVIRANJAN KUMAR SINGHEmail: ravi.ranjan167@gmail.com

Mobile No.: +91 - 9110908256

**CAREER OBJECTIVE**

To gain experience by working in the Professional area and to acquire the required knowledge and expertise to be able to contribute to the progress of the organization and simultaneously enhance my personal and professional skills.

EDUCATIONAL QUALIFICATION

S.No.	Qualification	Specialisation	Collage Name	University Affiliation	Year of Passing	Percentage /CGPA
1.	Ph. D	Renewable Energy	National Institute of Technology (NIT), Jamshedpur	National Importance Established by Government of India	2019	Awarded
2.	M. Tech	Energy Technology	Birla Institute of Technology (BIT), Mesra, Ranchi	Deemed	2013	8.63
3.	B. Tech	Electronics and Communication Engineering (ECE)	Samanta Chandra Sekhar Institute of Technology and Management (SCITM), Semiliguda, Koraput, Odisha	Biju Patnaik university of Technology (BPUT), Odisha	2011	7.68
4.	Intermediate (12 th)	Science (Mathematics)	DAV Co-op Sr Sec School, Khalari, Ranchi, Jharkhand	Central Board of Secondary Education (CBSE)	2007	70.40
5.	Matriculation (10 th)	All	Saraswati Vidya Mandir Hg Sch Dsp Rd Gumla, Jharkhand	Central Board of Secondary Education (CBSE)	2005	70.16

EXPERIENCE

Teaching					
Collage Name	Designation	Department	Nature of Job	Date of joining	Date of leaving
Central University of Jharkhand	Assistant Professor	Energy Engineering	Temporary	18 th February 2019	31 st May 2019
				09 th August 2018	23 rd December 2018
				18 th February 2018	31 st March 2018
BIT Polytechnic, Mesra, Ranchi, Jharkhand	Lecturer	Electrical and Mechanical	Part-time	15 th December 2011	15 th May 2012
				15 th December 2012	15 th May 2013

Industry					
Industry Name	Designation	Group Name	Nature of Job	Date of joining	Date of leaving
TATA Steel	Research Associate	Iron making	Contractual	04 th April 2018	02 nd August 2018

AREA OF INTEREST

- Renewable Energy, Solar PV-system, Energy Modelling, Energy Economics, Basic Electronic, Communication system, Heat and mass transfer and CFD etc.

PROJECT WORKS

Course Name	Title of Project/Thesis
Ph. D	Studies on Thermal Performance of a Vertical Co-axial Earth Air heat exchanger
M. Tech	Performance Analysis of Scheffler Concentrator
B. Tech	Antenna Positioning System

JOURNAL PUBLICATIONS

- **Raviranjan Kumar Singh**, R. V. Sharma, “Thermal Performance of a Co-axial borehole Heat Exchanger”. Instrumentation, Measure and metrologie. Volume17, Number 3, 2018, Pages 455-466.
- **Raviranjan Kumar Singh**, R.V. Sharma, “Numerical Analysis for Ground Temperature Variation”. Geothermal Energy (Springer). 10.1186/s40517-017-0082-z.
- **Raviranjan Kumar Singh**, R.V. Sharma, “Mathematical Investigation of Soil Temperature Variation for Geothermal Applications”. IJE TRANSACTIONS A: Basics. Volume 30, Number 10, 2017, Page 1609-1614.
- **Raviranjan Kumar Singh**, R.V. Sharma, “Numerical simulation of ground temperature variation for time-variant boundary condition”. JP Journal of Heat and Mass Transfer. Volume 14, Number 3, 2017, Pages 317-328.
- **Raviranjan Kumar Singh**, R.V. Sharma, “Simulation of soil temperature variation for geothermal application”. International Journal of Mechanical Engineering and Technology (IJMET). Volume 8, Issue 2, February 2017, pp. 167–175.
- Deepika Shaw, Shahid Jamal Akhtar, Abhishek Priyam, **Raviranjan Kumar Singh** “Performance Study of Dual Fuel Engine using Producer Gas as Secondary Fuel” Carbon – Sci. Tech. 8/2 (2016) 63-71.

CONFERENCES & SEMINARS

- **Raviranjan Kumar Singh**, Priya Ranjan Mishra, Jalaj Kumar Anupam, R.V.Sharma and Rina Sahu, “Thermal Performance of a Vertical Co-axial borehole Earth air Heat Exchanger”. National conference on Advancement in Materials Processing Technology. August 30th to August 31st, 2019, NIT Jamshedpur.
- **Raviranjan Kumar Singh**, R.V.Sharma “Numerical simulation of ground temperature variation for time-variant boundary condition”. ICHMT International Symposium on Advances in Computational Heat Transfer. May 28th - June 1st, 2017, Napoli, Italy.
- **Raviranjan Kumar Singh**, R.V.Sharma “CFD Simulation of Earth Air Tube Heat Exchanger with Longitudinal Fins” GCRE-2015; NIT Patna: 4th – 6th March 2016.
- R.V.Sharma, **Raviranjan Kumar Singh** “Numerical simulation of pyrolysis of a cylindrical wooden dowel” IHMTC2015; Thiruvananthapuram, India: 17th – 20th December 2015.
- Shaw, D. Priyam, A. **Singh, R.K** “Thermohydraulic performance of solar air heater equipped with wavy fin absorber plate” ICAER-2015; IIT Bombay: 15th – 17th December 2015.
- Attained 27th National seminar on Advancements in manufacturing in BIT Mesra, Ranchi.
- **Raviranjan Kumar Singh**, Hiresh Kumar, Takeshwar Pipariya and Swapnil Dewangan. “Environmental and Economic Aspects of Hybrid Distributed Generation in an Electrical Distribution System” All India Seminar on Technology Solution in Manufacturing; BIT MESRA: 01-02 March 2013.

WORKSHOP AND TRAINING

- Attended 6 days’ National Workshop on "Advancement in Mineral Processing" at N.I.T Jamshedpur from 20th -25th July, 2019.

- Attended 6 days' short-term course on "Machines and Mechanism" at N.I.T Jamshedpur from 17th -22nd June, 2019.
- Attended 2 days' short-term course on "Green Chemistry and Sustainable Development" at N.I.T Jamshedpur from 17th -18th March 2017.
- Short Term Course on Advance PV system in NIT Jamshedpur from 18th -22nd April 2016.
- Short Term Course on LaTeX in NIT Jamshedpur from 10th -11th January 2015.
- The 2-months (10th May 2018 to 10th June 2018) training program in C++ AND ORACLE from HI-TECH computer education point Ranchi, Jharkhand.

EXTRA ACTIVITY

- Attended 5 days' Workshop of Yes+ organised by "The Art of Living" from 17th -22nd February, 2014.

COMPUTER SKILLS

- Languages known: C, C++, Matlab.
- Operating system: Windows.
- Software : MS-Office, Ansys(CFD) & Solid-Edge.

PERSONAL PROFILE

Father's Name	Surendra Singh
Mother's Name	Kalawati Devi
Sex	Male
Date of Birth	20 th January 1991
Nationality	Indian
Hobbies	Reading books, Listening Music and Drawing
Languages known	English, Hindi
Address for Communication	S/O Surendra Singh Shop no. 3, C.C.L shopping center Near VIP Club, G.M office road, P.S.- Khalari, P.O.- Dakra District- Ranchi, State- Jharkhand India- 829210 Mobile: +91-9110908256/8987704222

DECLARATION

I hereby declare that the above-furnished details are factually correct to the best of my knowledge and belief.

REFERENCES

Prof. R. V. Sharma
Professor and Dean R&C
Department of Mechanical
Engineering
NIT Jamshedpur, Jharkhand
Email: rvsharma.me@nitjsr.ac.in
Mobile No.:9431347509

Prof. S. Kumar
Professor and Dean Academic
Department of Mechanical
Engineering
NIT Jamshedpur, Jharkhand
Email- shalkumar.me@nitjsr.ac.in
Mobile No.:9431347117

Prof. R. P. Sharma
Professor and HOD
Department of Mechanical
Engineering
BIT Mesra, Ranchi, Jharkhand
Email- hodmech@bitmesra.ac.in
Mobile No.: 9430703061

RAVIRANJAN KUMAR SINGH