

## Profile

Name : **Dr. I. C. BHARTI**  
Fathers Name : **Shri R.G. BHARTI**  
Mothers Name : **Smt. MANMATI BHARTI**



### EDUCATIONAL QUALIFICATIONS:

S.N.	Qualification	Branch	Division	Yr of passing	University
1.	<b>B.E.</b>	<b>MECHANICAL ENGG</b>	<b>Ist Division</b>	<b>1991</b>	<b>RSU RAIPUR</b>
2.	<b>M.TECH. (HEAT POWER ENGG.)</b>	<b>MECHANICAL ENGG</b>	<b>Ist Division</b>	<b>1995</b>	<b>BHU VARANASI</b>
3.	<b>PH. D.</b>	<b>MECHANICAL ENGG</b>	<b>-</b>	<b>2014</b>	<b>CSVТУ BHILAI</b>

Title of M.Tech Thesis : “ **Circumferential variation of Local heat transfer coefficient of horizontal tube placed in free boards region of fluidized bed**”

Title of Ph.D. Thesis : “ **Performance evaluation of power plant based on Neuro Fuzzy Method with special focus to some of its Mechanical components**”

PUBLICATIONS : Research Paper Published (15)

S.N.	Name of Journal		NoS .of Paper Published
1.	<b>Fuzzy Sets and System, USA</b>	<b>International</b>	<b>01</b>
2.	<b>AMSE Journal, FRANCE</b>	<b>International</b>	<b>10</b>
3.	<b>CSVТУ BHILAI, INDIA</b>	<b>National</b>	<b>02</b>
4.	<b>JMSDM BHOPAL, INDIA</b>	<b>National</b>	<b>01</b>
5.	<b>IJO International Journal</b>	<b>International</b>	<b>01</b>

### LIST OF PUBLICATIONS

1. Qureshi, M.F., **Bharti, I.C.**, Gabel, J.K., Chhalotra, G.P., Mahajan, R.S. 2004. *Reliability investigation of interconnected power plants using fuzzy relation matrix transform*. AMSE Journal, France, **Modeling A. 77(7):1-11.**

2. Qureshi, M.F. and **Bharti, I.C.**, Gabel, J.K., Chhalotra, G.P., Mahajan, R.S., Parihar, R.S. 2005. *Simulation and design of fuzzy logic controller for variable control rod position in nuclear reactor control*. AMSE Journal, France, **Advances in modeling C. 60(2):1-17.**
3. Qureshi, M.F. and **Bharti, I.C.** 2006. *Fuzzy based study and Simulation of Local heat transfer coefficient at Circumference of Horizontal tube in free board region of Fluidized Bed*. AMSE Journal, France, Modeling Measurement and Control. 75(5): 1-20.
4. Qureshi, M.F. and **Bharti, I.C.** 2007. *Advance Application of fuzzy modeling and simulation method using NEFCON model through throttle valve governing of turbine power plant*. CSVTU Journal, Bhilai. 1(1):82-90
5. Qureshi, M.F., **Bharti, I.C.** and Om Prakash. 2008. *Advanced application of fuzzy neuro modeling and simulation methods using NEFCON model for throttle valve governing in turbine in power plant*. AMSE Journal France, Advances in modeling C. 63(1): 1-16.
6. Qureshi, M.F., **Bharti, I.C.** Gabel, J.K. and Khande, C.S. 2007. *Application of Hybrid System Control Method for Real-Time Power System Stabilization*. Science Direct, Fuzzy sets and system USA. 158: 2687-2705.
7. Qureshi, M.F., **Bharti, I.C.**, and Jha, Manoj. 2008. *Application of Multilayer Perceptron tuned Co-active Neuro-Fuzzy Inference System for Governing Control and Excitation Control of Power System Stability*. AMSE Journal France, Advances in modeling C, 63(3):62-74
8. Qureshi, M.F., **Bharti, I.C.**, Jha M. and Prakash, O. 2008. *Improving Dynamic and Transient Stability of Power System using Natural Logic Controller: A Modified Mamdani's Fuzzy Controller*. AMSE Journal France, Advances in modeling C. 63(3): 50-63
9. Qureshi, M.F., **Bharti, I.C.** and Jha, Manoj. 2008. *Soft computing based governing control and excitation control for stability of power system*. AMSE Journal France, Advances in modeling C. 63(3):
10. Qureshi, M.F., **Bharti, I.C.** and Banjare, Y. P. 2010. *Performance Modeling of Superheater System using ANFIS architecture based on Classification and Regression Trees Algorithm and its Optimization*. AMSE Journal France, Modeling Measurement and Control, B. 79(2):
11. **Bharti, I.C.**, Qureshi, M.F. and Banjare, Y. P. 2011. *Performance Modeling of Superheater System using ANFIS architecture based on Classification and Regression Trees Algorithm and its Optimization*. CSVTU Journal, Bhilai. 4(1):100-108.
12. **Bharti, I.C.**, Qureshi, M.F. and Banjare, Y. P. 2012. *ANFIS Modeling of Superheater System of a Thermal power plant*. AMSE Journal France. Advances in Modeling B , vol 55 No.2 .

13. **Bharti, I.C.**, Qureshi, M.F. and Banjare, Y. P. 2012. *Neuro-Fuzzy based modeling of local heat transfer coefficient at the circumference of horizontal tube in freeboard region of fluidized bed.* JMSDM Journal, Tribhuwan publication, Bhopal. 3 (2)
14. **Bharti, I.C.**, Qureshi, M.F. and Banjare, Y. P. 2013 Adaptive neuro fuzzy modeling for throttle contro; governing. AMSE Journal France, advances in modeling C vol 68 No 1
15. **Bharti I.C.** and Chinmay Gabel 2019, *Fuzzy based modeling of Heat transfer coefficient in Fluidized Bed* IJO international journal of Mechanical and Civil Engg Vol 2 Issue 10, Oct .

**PUBLICATIONS** : 03 Text Book Published for Diploma students

S.N.	Title	Medium	Edition	Publication
1.	<b>POWER PLANT ENGG.</b>	<b>HINDI</b>	<b>2015</b>	<b>University Book House Jaipur</b>
2.	<b>CAD/CAM</b>	<b>HINDI</b>	<b>2015</b>	<b>Deepak Prakashan Gwalior</b>
3.	<b>Automobile Engg</b>	<b>Hindi</b>	<b>2019</b>	<b>University Book House Jaipur</b>

**AWARD: Received 03 National and 01 State level**

1. **AICTE Award Takniki Pathya Pustak Puraskar Yojna 2015-16, Received 1st Prize in Technical Book writing in hindi , for text book CAD /CAM , 04 May 2018 New Delhi**
2. **AICTE Award Takniki Pathya Pustak Puraskar Yojna 2016-17, Received IInd Prize in Technical Book writing in hindi, for text book Shakti Sanyantra Abhyantriki, 5 July 2019 New Delhi**
3. **“Mahatma Jyotiba Phule National Teacher Award” 22 September 2019 Raipur**
4. **“Mahatma Jyotiba Phule State Teacher Award”, Raipur**

**TRAINING UNDERGONE:**

1. **Industrial training 9 week , at Bhilai steel plant, Chhattisgarh**
2. **Industrial Training 5 week at ACC Kymore, Madhya Pradesh**
3. **Attended many Continuing Education Training in CANADA INDIA Project**
4. **Attended training program conducted by NITTTR Bhopal**

**WORKING EXPERIENCE:**

1. **Working at the post of Lecturer Mechanical Engg in Govt. Polytechnic – 22 Years**
2. **Working as at the post of Head of Deptt. Mechanical Engg. in Govt. Polytechnic – 05 Years**
3. **Working as I/C Principal in Govt. Polytechnic – 13 Years**

4. Works as Incharge Principal in seven polytechnics of Chhattisgarh since 05/09/2007 at Govt. Polytechnic Takhatpur, Govt. Polytechnic Mungeli, Govt Polytechnic Jashpur, Govt Polytechnic Ambikapur , Govt Polytechnic Surajpur, Govt Polytechnic Bilaspur and this Govt Polytechnic Mahasamund .
5. Work as founder Principal of two polytechnics Govt Polytechnic Mungeli and Govt Polytechnic Surajpur

FIELD OF INTEREST:

**Power plant, Mechanical Engg. Fuzzy Logic , ANFIS, CAD/CAM**

HOBBY:

**Play Games like Table Tennis, Badminton etc.**

STRENGTH:

**Develop team environment in work culture and work in a team.**

Declaration:

Certified that the above information is true with best of my knowledge and belief.

Dr. I.C.BHARTI

HOD Mechanical Engg.

Govt. Polytechnic Mahasamund