


Faculty Profile

Name of Faculty	Veeresh Bhusnur	
Department	Mechanical Engineering	
Qualification	B. E, M. Tech, (Ph. D)	
Designation	Assistant Professor	
Area of specialization	6 sigma, Total Quality Management, Manufacturing, CIM, Automation and Control.	
Date of Joining BNMIT	07.07.2016	
Nature of Association (Regular/Contractual/Adjunct)	Regular	
e-mail	bhusnurveeresh@gmail.com, veereshbhusnur@bnmit.in	
No. of years of Experience	Teaching: 5 years 6 months Industry: 9 months	

Academic Qualifications:

- Pursuing Doctor of Philosophy (Ph. D) in Department of Industrial Engineering and Management, J.S.S Academy of Technical Education under Visvesvaraya Technological University, Belgaum since 2017.
- M.Tech in Manufacturing Science and Engineering from P.E.S Institute of Technology, Bangalore with 70.9 % aggregate in 2013.
- B. E in Mechanical Engineering from B.L.D.E.A's V.P. Dr. P. G. Halakatti College of Engineering and Technology, Bijapur with 63.23% aggregate in 2010.

Working Experience Details:

- **B.N.M Institute of Technology, Bangalore**
Assistant Professor in Mechanical Engineering Department from 7th July 2016 to till date.
- **A.C.S College of Engineering, Bangalore** (Rajarajeswari Group of Institutions)
Assistant Professor in Mechanical Engineering, Department from 23rd July 2014 to 1st May 2016.
- **Nandi Institute of Technology and Management Sciences, Bangalore.**
Assistant Professor in Mechanical Engineering Department from 6th September 2013 to 10th July 2014.
- **Bosch Rexroth India Ltd. Bangalore.**
Graduate Engineer Trainee in Mobile Hydraulics Department in Bosch Rexroth India Ltd., Bangalore from 13th June 2011 to 2nd September 2011.

Subjects taught: Metal Casting, Welding, Machining, Management, Engineering Economics, Non-traditional machining, Total Quality Management.

Research Experience Details:

M. Tech: This project mainly emphasized on productivity improvement with the application of DMAIC (Define, Measure, Analyze, Measure, Improve, Control) which is sub methodology of Six Sigma. It shows the application of Six Sigma in Auma India Pvt. Ltd. to reduce the cycle time and set-up times of High End CNC machines. At Auma, one of the most critical problems is that the existing production rate cannot meet the customer demands and hence the lead time is not satisfactory to the customer. This project was focused on improving the production rate as well as reducing the lead time of CNC machines without sacrificing on quality and to improve output and productivity of the whole machining station. The main problem regarding the production rate lies in long setup time in machining station. Set-up time is an important indicator of lead time. The other problem is related to the long cycle time of various components. This project is divided into two parts aiming at solving these two problems respectively. This project implements Six Sigma methodology-DMAIC and proposes a set of solutions, such as set up sequence optimization, set up operation simplification, to reduce set up time without sacrificing quality. The result showed a significant reduction in lead time of components with an average of 15%. Productivity per month was improved from 71% to 75%. Future recommendations were also provided that would further increase productivity.

Ph. D: Pursuing

Topic: “An Investigative Study on Identification and Optimization of factors affecting Productivity in Manufacturing SME’s.”

Productivity of SME’s could be affected by many factors, ranging from financial constraints, support and lack of resources, as well as operations which are not well organized. Therefore, the answers to this question will assist in identifying factors prompting and/or restraining SMEs from increasing their productivity. Against this background, we found it necessary to undertake a study in productivity enhancement within the SME’s, particularly those in the manufacturing sector at Bangalore. This research should be of some importance in making appropriate recommendations on how productivity enhancement strategies can increase the efficiency levels of SME’s in Bangalore.

Guide: Dr. Bhimasen Soragaon

Research Center: JSS Academy of Technical Education, Bangalore.

Professional Memberships:

1. Life Member of Tribology Society of India.

International Journals:

1. Importance of Simulation in Manufacturing, International Journal of Innovative Science and Research Technology Volume 2; issue 4th April 2017 ISSN No.: 2456-2156.
2. Productivity Improvement of High End CNC Machines by DMAIC Methodology, International Journal of Engineering Research and Advance Technologies, (IJERAT) Volume 3, Issue 2, February 2017.

Participation in Training courses/Seminars/Workshops:

1. Participated FDP on Research Issues and Challenges in Mechanical Engineering by Department of Mechanical Engineering, BNMIT from 16th July to 20th July 2018.
2. Participated Faculty development program on Modern Materials and their Applications by Department of Physics, BNMIT from 16th January to 20th January 2018.
3. Attended FDP on Emerging Research Areas and Trends in Mechanical Engineering by Department of Mechanical Engineering, BNMIT from 31st July to 5th August 2017
4. Attended one-week faculty Development program on “Recent Advancements in Materials, Energy & Design Engineering”, from 16/1/17 to 21/1/17 at B.N.M Institute of Technology, Bangalore.
5. Attended one-week faculty Development program on “Research Avenues in Thermal, Design & Manufacturing Engineering”, from 11/7/16 to 16/7/16 at B.N.M Institute of Technology, Bangalore.
6. Attended One-week faculty Development program on “Modern Technologies in Foundry Practice” from 04-01-2016 to 08-01-2016 at JSS Academy of Technical Education, Bangalore.
7. Participated in one day International workshop on “Preparation of High Impact Research Articles & funding proposals” held on 07-01-2016 at ACS college of Engineering, Bangalore.
8. Participated in National seminar on “World Class Manufacturing Practices” held on 04-11-2015, at JSS Academy of Technical Education, Bangalore.
9. Participated in four days VTU-VGST faculty Development program on “Sustainable Product Design & Manufacturing” from 22-06-2015 to 25-06-2015 at ACS college of Engineering, Bangalore.
10. Attended One-week QIP short term course on “Principles of Iron making with a specific focus on Blast furnace”, conducted by IIT Bombay during Dec 08-12-2014 to 12-12-2014.
11. Attended Two-day Faculty Development program on “Leadership, Interpersonal skills, and high-Impact presentation skills” held from 28-01-2015 to 29-01-2015 conducted by CSIA at ACS college of Engineering, Bangalore.
12. Attended National Conference on “Trends & Advances in Manufacturing Engineering held on 29-09-2011 to 30-09-2011 at PESIT, Bangalore.
13. Attended TEQIP Sponsored symposium on “Advances in manufacturing” from 05-04-2013 to 06-04-2013 at PESIT, Bangalore.

Personal Details:

- Date of Birth: 04 - 04 –1988
- Sex: Male.
- Marital status : Married
- Passport Number: H6601437 (valid till June 2019)

16th February 2019

VEERESH BHUSNUR