

Bio Data

Name: Sangita Nitin Bansode

Date of Birth: 4th Dec 1968

Education:

Diploma in Mechanical Engineering (Govt Poly Aurangabad)1986

BE Production (JNEC Aurangabad) 1989

M.Tech. (CAD/ CAM & Automation, VJTI Mumbai) 2006

Ph. D. (Mechanical Engg. VJTI Mumbai) 2019

Experience:

SSVPS Engg. College Dhule. (1989-1990)

Pd V.V. Patil Polytechnic Ahmednagar. (1991- 1992)

Pd V.V. Patil Engg. College Ahmednagar. (1992- 1996)

Lokmanya Tilak Engg. College Koparkhairane, Navi Mumbai (Aug 1998- Jan 1999)

K.J.Somaiya College of Engineering, Vidya Vihar, Mumbai (Since Feb 1999 -Till today)

Subject Taught:

Production process I, II, III

Production planning and control

Automation control engineering

Manufacturing planning and control

Industrial Engg. Management

Industrial Engg. and operation research

Data structure

Graphical user interface and data base

CAD/CAM CIM

Robotics

Finite Element Analysis

Conferences and Seminar

Short term training program:

STTP: Fault diagnosis of rotary machines and FEA -- 5- 9 Jan 2015 - at VJTI

One Day work shop on E - Foundry, Casting design and simulation ---- 26 Oct 2013 at VJTI

STTP on Advance Machine Design --- 2-6 Dec 2013 at VJTI

Conference paper:

1. A Thermodynamic analysis for gas turbine power optimization by fog cooling system. Ramola Sinha & Sangita Bansode (2010) (ISHMT -ASME) Heat and mass transfer conference.
2. Cold Aisle Containment, an effective approach for Data Center Optimization. Shreeprasad S Manohar & Sangita Bansode (2012)
3. Simulation: an efficient product design approach of automotive fuel tank. (2012) International conference at Rizvi institute of technology. Jyotsna Rane & Sangita Bansode.
4. Rapid Product Development Approach for Investment Casting Process. National conference at Saboo Siddiki College of Engineering. Sangita N. Bansode, V. M. Phalle, A.S. Rao. (2013)
5. Flug flow analysis in piping system. International conference at Sinhgad Institute of Technology. Swapnil Pabale & Sangita Bansode (2013)
6. Air foil selection of MAV for low Reynolds number. Marathe & Sangita Bansode (2013)
7. Influence of feeding system on the distortion of investment casting. S.N. Bansode, V. M. Phalle, S. S. Mantha (2014)
8. Study of various manufacturing processes of blisk. Bency Benjamin and Sangeeta Bansode (2015)
9. Weight optimization of mono leaf spring used for light passenger vehicle. Atul Pawar, Sangeeta Bansode. IJRIITCC, Journal (2015)
10. Optimised feeding system for investment casting to reduce dimensional variation Sangita Bansode, V. M. Phalle, S. S. Mantha (2015)

11. Optimized design of feeding system for complex steel (CF8) investment casting to improve quality and productivity. Sangita Bansode, V. M. Phalle, S. S. Mantha. (International Conference on Advances in Thermal System, Materials and Design Engineering. (2017).

Peer Reviewed Journal paper.

1. Sangita N. Bansode, Vikas M. Phalle, Shankar. S. Mantha. (2019) “Taguchi Approach for Optimization of Parameters that Reduce Dimensional Variation in Investment Casting”, *Archieves of Foundry Engineering*. - ISSN (1897-3310) Volume 19(1), pp. 5-12.
2. Sangita N. Bansode, Vikas M. Phalle, Shankar. S. Mantha. (2019) “Optimization of process parameters to improve dimensional accuracy of investment casting using Taguchi approach”, *Advances in Mechanical Engineering* -Volume 11(4), pp. 1-12.
3. Sangita N. Bansode, Vikas M. Phalle, Shankar. S. Mantha. (2019) “Productivity enhancement in investment casting foundry using automation technique in shelling operation”, *Industrial Engineering*. ISSN/ISBN (2581-4915) Volume 12 (7), pp 1-13.
4. Sangita N. Bansode, Vikas M. Phalle, Shankar. S. Mantha. (2019) “Influence of Slurry Composition on Mould Properties and Shrinkage of Investment Casting”, *Transactions of the Indian Institute of Metals*. ISSN 0972-2815. Volume 73(3), pp.763–773

Position	Committee
PG coordinator	CAD/ CAM & Robotics from 2009-2018
Member	Board of studies (Mechanical Department) at VJTI 2013-2015
Member	Academic board member (Nominated by Principal) at KJSCE since 2014 -17
Faculty Advisor	Indian society for technical education (Student chapter) 2012-2016
Member	Faculty Grievances Committee