

**Dr. Uday V. Pise**

Associate Professor,

Dept. of Mechanical Engineering,

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**EDUCATION**

- Ph.D., 2011, Mechanical Engineering, Motilal Nehru National Institute of Technology, India.
- M.E., 1996, Mechanical Engineering, Government College of Engg. Pune (COEP), India.
- B.E., 1991, Mechanical Engineering, Government College of Engg..Pune (COEP), India.
- D.M.E., 1987, Cusrow Wadia Institute of Technology (CWIT), Pune, India.

**EMPLOYMENT HISTORY**

- **Teaching Experience: 25 Years**
- Dec 2017 to till date , Associate Professor , Government College of Engineering, KARAD
- Sept 2016 to Dec 2017. Head of the department , Government Polytechnic Aurangabad
- December 2004- present, Lecturer (Selection Grade), Mechanical Engineering Department, Government Polytechnic Mumbai Bandra (east), Mumbai.
- December 1999-December 2004, Lecturer (Senior Grade), Mechanical Engineering Department, Government Polytechnic Thane, Dist-Thane
- December 1994-December 1999, Lecturer, Mechanical Engineering Department, Government Polytechnic Pen, Dist-Raigad.
- **Industrial Experience: 2 years.**
- September 1991- September 1992, GET, TATA ELECTRIC (POWER), Mumbai.
- October 1987- October 1988, Diploma Trainee, TELCO (TATA MOTORS), Pimpri, Pune.

**SCOLARSHIPS AND AWARDS**

- 1) Open merit scholarship in D.M.E. and B.E.
- 2) Stood second in ME (Mechanical-Design)) in Pune University.
- 3) Selected under QIP (MHRD) scheme for Doctoral programme.

## RESEARCH INTEREST

- Bio-mechanics: Human body modeling and analysis
- Functionally Graded Materials (FGM): Development of Processes and Analytical Tools for FGMs
- Development of Geometric Algorithms for processing heterogeneous object
- Vibrations

## PUBLICATIONS

### (A) Peer Reviewed International Journal Papers (published):

- 1) Pise U.V., Bhatt A.D., Srivastava R. K., Warkedkar R., 2009. A B-spline based heterogeneous modeling and analysis with graded element. Journal of Biomechanics 42 (2009) 1981-1988.(**Published**)
- 2) Pise U.V., Bhatt A.D., Srivastava R.K., 2011.Mesh generation by B-spline method for 2-D and 3-D human body segments. Computer Aided Design and Application, 9(3),2012,307-320.(**Published**)
- 3) Pise U.V., Bhatt A.D., Srivastava R.K., 2011. Influence of isotropic and orthotropic relationships- on the accuracy of B-spline based heterogeneous graded finite element modeling of proximal femur. Computer Aided Design and Application,9(4) 2012,549-569.( **Published**)
- 4) Bhatt A.D.,Gupta, U.,Waghlikar, V., Pise U.V., 2011. Edge Detection and segmentation of multiple contours from CT scan images. Computer Aided Design and Application, 9(4) 2012.( **Published**)

### (B) National conferences

- 1) Uday V Pise, "Incorporation of minimum positive draft angle on 2D fitted B-spline curve". National conference on Quality Reliability and maintainability aspects in engineering system. National Institute of technology Hamirpur.,2007

- 2) Uday V. Pise, R. K. Srivastava, A. D. Bhatt, Umesh Maheshwari." Adaptive meshing for heterogeneous objects using B-spline knot insertion technique and its analysis with graded element" National conference on advances in mechanical engineering (NCAME2009),Moradabad Intitute of Technology, Moradabad.

**(C) International conferences**

- 1 Abrar Ahmed , U.V. Pise, "Overall equipment effectiveness analysis and improvement Of the selected company", AIP Conference Proceedings **2200**, 020008 (2019); <https://doi.org/10.1063/1.5141178>, Published Online: 20 December 2019
- 2 Abrar Ahmed and U.V. Pise, "Productivity improvement by new layout design and simulation of selected Industry", International Conference on Mechanical Engineering Design, Organized by Sri Sivasubramaniya Nadar College of Engineering Chennai, India, 25-26 April 2019.
- 3 Pratik Pawar and Dr. Uday Pise, "Study and analysis of Casting Process", CPIE 2019, International Conference on Production & Industrial Engineering, 8 – 10 June 2019.
- 4 Pratik Pawar and Dr. Uday Pise,"Challenges for increasing efficiency of Casting Process", CPIE 2019, International Conference on Production & Industrial Engineering, 8 – 10 June 2019.
- 5 Pratik Pawar and Dr. Uday Pise, "Study and layout of Casting Process", CPIE 2019, International Conference on Production & Industrial Engineering, 8 – 10 June 2019.
- 6 Pise, U.V., Bhatt, Amba D., Srivastava, R. K, Evaluation of importance of material anisotropy in B-spline based heterogeneous graded finite element modeling of proximal femur, presented and archived at Computer Aided Design and Applications, Taipei, 2011.
- 7 Bhatt, Amba. D., Gupta Ujjwal, Wagelkar Vishal, Edge Detection and Segmentation of an Image Consisting of Single or Multiple Contours, presented and archived at Computer Aided Design and Applications, Taipei, 2011.
- 8 Pise Uday .,Bhatt Amba D., , Srivastava R. K.,Finite Element mesh generation of human body segment in 2-D and3-D using B-spline method presented and archived at Computer Aided Design and Applications, Taipei, 2011.

### **Responsibilities held**

- ✓ Controller of Examination, at Government College of Engineering, KARAD
- ✓ SAE. Institute Club Coordinator, at Government College of Engineering, KARAD
- ✓ Workshop superintendent, July 1997 –July 2010. at Government Polytechnic Pen and Government Polytechnic Thane.
- ✓ Assistant Project officer for Community Polytechnic scheme run under MHRD. Government of India for the period of oct.2001 to may 2002.
- ✓ Project officer for Community Polytechnic scheme run under MHRD. Government of India for the period of may 2002 to June 2004.
- ✓ Store officer at Government Polytechnic Mumbai, July 2011 to Aug. 2013
- ✓ Institute level coordinator for Continuing Education Program at Government Polytechnic Mumbai ,July 2010 to July 2015
- ✓ CEP course coordinator for the course 3D modeling using Pro-E ,July 2012 To July 2015

### **Ph. D Scholar under Guidance**

1. Tushar Patil
2. Yogesh Danekar

**No. of M. Tech Dissertation Completed - 06 Nos**

**No. of M. Tech Dissertation Under Guidance - 03 Nos**

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**No. of B. Tech Students Guided for Final year Project - 09 Nos**

**No. of B. Tech Students Guided for Final year Project - 05Nos**

### Expert Lectures Delivered

S.No.	Year	Organization / Place	Topic / Subject
1	Nov.2009	The Institute Of Engineers (India),Allahabad Chapter	Human Body Modeling: Research work carried out at MNNIT Allahabad.
2	Sept.2011	Government Polytechnic Thane	Rapid Prototyping and Manufacturing
3	Jan.2013	Veer mata Jijabai Technological Institute (VJTI) Mumbai.	BioCad modeling, Designing and Analysis
4	Mar. 2015	Pillai HOC College of Engineering & Technology Rasayani Panvel	Keynote Address: Advances In Finite Element Methods
5	Apr. 2015	The Institute Of Engineers (India),CBD Belapur Navi Mumbai Chapter	Heterogeneous Modeling and Designing