

PERSONAL PARTICULARS:

Name	AJAY KUMAR GANGRADE
Designation	Associate Professor
Address	A / 601, Sandipani Somaiya Staff Quarters, SIMSR Hostel, Vidyavihar (E), Mumbai Pin- 400 077
Date of Birth	11 th October 1966
Date of joining & Yrs. With KJSCE	10 th June 1991 (28 Yrs.)
Core Discipline	Mechanical Engineering
Specialization	Tribology, Design Engg.
Contact No.	(m.) 8879463624; (o) 022-66449501
E- Mail	akgangrade@somaiya.edu

EDUCATIONAL DETAILS:-

Course	Board / University	Year of Passing	Marks %
D.M.E.	M.P.Tech. Board, Bhopal	1987	79
B.E. (Mech.)	Rani Durgavati Uni., (Jabalpur)	1990	78.3
M.Tech (Design Engg.)	I.I.T Bombay (Sponsored by KJSCE)	Jan.1996	CPI = 7.8
PhD (Mech. Engg.)	VJTI, Mumbai (Sponsored by KJSCE)	Jan. 2019	Awarded

- **Graduation level Project:** “A solution of Hydrodynamic Journal Bearing Problems by Finite Element Method” – 1990.
- **Post-Graduation level Project:** “Leak Before Break Design of Pipe – Numerical Analysis”- 1995-96
- **Ph.D research work** – “Performance Analysis of a Hydro-dynamically Lubricated Conical Journal Bearing”

TEACHING ACTIVITIES

- **Subject Taught**
 - Engg. Mechanics / Engg. Drawing
 - Strength of Material
 - Machine Drawing
 - Kinematics and Dynamics of machinery
 - Mechanical Vibration
 - Machine Design
 - Finite Element Analysis
 - Computational Fluid Dynamics

POSITION HELD IN PRESENT ORGANISATION:-

Designation	From – to	Department
Lecturer	1991-99	Production & Mechanical
Sr. Lecturer	1999 to 2004	Mechanical
Lect. Selection grade	2004 to 2007	Mechanical
Associate Professor (Inst. Level)	2007 – till date	Mechanical

OTHER POSITION HELD, MEMBERSHIP OF COLLEGE COMMITTEE:-

Position	Name of Committee (From-to)
PG – Coordinator (Mech.-Engg - CCR)	July 2018 – till date
Admin – Coordinator (Mech.-Engg)	2016 – till date
Member Board of Management - KJSCE	2016 - 18
Member H R Committee - KJSCE	2015 - 18
DEC – Chairman	2015 -16
Faculty Advisor (Eta)	2013 – till date
Head of Dept. (Mech)	July 2011 – Nov. 2012
Associate HOD (Mech)	May 2008 – July 2011
Associate Dean	Academic Programs, KJSCE (2006 -2008)
Secretary	Advisory Board ‘B’ Mechanical Engg. Dept. (2005 - 2007)
Member	Advisory Board Mechanical (2003 - 2005)
Member	New Building (KJSCE) Planning and Monitoring (2005 - 2007)
Chairman	I.S.T.E. College Chapter (2011 – 2013)
Secretary	I.S.T.E. College Chapter (2007– 2011)
Member	I.S.T.E. College Chapter (2004 - 2007)
Coordinator	B.E. Student Project work (2003-2005) (2014-2016) (2018-19)
Convener	Dept. Academic Planning Committee (2003-2008)
Convener	Subject allocation committee (2003-2008)
Coordinator (FE)	Engineering Mechanics (2002-2004)
Coordinator (FE)	Engineering Drawing (1991-2008)
Member	Training and Placement cell (1997-2002) (2016 – till date)
Member	Local Management Committee (1997-2001)

Paper Published in last 5 years

Ajay Kumar Gangrade et al.

	Peer reviewed journals	Presented in international conferences	Presented in national conferences	Poster presented in colloquium	Total
Published / Communicated*	04	08 + 01*	02	05	20

- **List of paper published /communicated in peer reviewed journals:**

1. **Ajay Kumar Gangrade**, Vikas M. Phalle and S. S. Mantha (2018), “Performance analysis of a conical hydrodynamic journal bearing”, Iranian Journal of Sci. and Tech., Trans. of Mech. Engg., ISSN 2228-6187 DOI 10.1007/s40997-018-0217-2 (SCOPUS, and indexed in S. C. I. Expanded).
2. **Ajay Kumar Gangrade**, Vikas M. Phalle and S. S. Mantha (2018), “Parametric investigations of short length hydro-dynamically lubricated conical journal bearing”, Jurnal Tribologi, Vol. 19, pp. 57-78.
(Open access of peer-reviewed international journal and indexed in A. C. I.)
3. **Ajay Kumar Gangrade**, Vikas M. Phalle and S. S. Mantha (2018), “CFD simulation of water lubricated conical hydrodynamic journal bearing”, Research Journal of Engineering and Technology, UGC journal, DOI: 10.5958/2321-581X.2018.00016.8, ISSN: 0976-2973 (Print), Vol. 9 (1), pp. 105 – 119.
4. Vikas M. Phalle, **Ajay Kumar Gangrade** and S. S. Mantha (2016), “Performance analysis of conical fluid film hydrodynamic journal bearing for various aspect ratio” Indian Journal of Tribology – July2016” (IJT-2016), ISSN: 2347-3037, Research Paper : IJT-2016-Page 14-20.

- **List of paper presented in international conferences:**

5. **Ajay Kumar Gangrade**, Vikas M. Phalle, S. S. Mantha and Arshad N. Siddiquee (2019), “Influence of eccentricity ratio on stability performance of conical hydrodynamic journal bearing”, 2nd International Conference on New Frontiers in Engineering, Science & Technology (NFEST 2019), N I T Kurukshetra, February 18-22, 2019, Paper Id: Paper no. 253.
6. **Ajay Kumar Gangrade**, Vikas M. Phalle and S. S. Mantha (2018), “Stability analysis of conical hydrodynamic journal bearing for various aspect ratio and load conditions” An International Conference on Tribology, TRIBOINDIA-2018 13th -15th December 2018, VJTI, Mumbai, India.

7. **Ajay Kumar Gangrade**, Vikas M. Phalle and S. S. Mantha (2017), "Effect of Aspect Ratio and Semi Cone Angle on the Stability Behaviour of a Conical Hydrodynamic Journal Bearing", International conference on Advances in Thermal Systems, Materials and Design Engineering, VJTI, Mumbai, Dec. 21-22, 2017.
8. **Ajay Kumar Gangrade** and Vikas M. Phalle (2016), "Effect of clearance and aspect ratio on the performance of water lubricated hydrodynamic journal bearing", 5th International Conference on Global Technology Initiatives "ICGTI- 2016" ISSN: 2277-6591 (Print), ISSN: 2320-1207(Online), March 29-30, 2016 .
9. Vikas M. Phalle, **Ajay Kumar Gangrade** and S. S. Mantha (2015), "Influence of Semi Cone Angle on the Performance of a Conical Hydrodynamic Journal Bearing", STLE Annual Meeting & Exhibition, Omni Hotel Dallas, Texas, USA, Paper ID : 2125042 (oral present.), Track: Fluid Film Bearings, May 17-21, 2015.
10. **Ajay Kumar Gangrade** and Vikas M. Phalle (2015), "Performance analysis of worn hydrodynamic journal bearing using CFD", 4th International Conference on Global Technology Initiatives "ICGTI- 2015", ISSN: 2277-6591 (Print), ISSN: 2320-1207(Online), Paper ID - POF01, March 29-30, 2015.
11. Ramesh Bhandare, Vikas M. Phalle and **Ajay Kumar Gangrade** (2015), "Influence of Journal Misalignment on the Performance of Hydrodynamic Journal Bearing", International Conference on Advances in Materials and Product Design (AMPD 2015), (TEQIP-II Sponsored), Mech. Engg. Department, S.V.N.I.T., Surat, Gujarat, India, January 10 -11, 2015.
12. **Ajay Kumar Gangrade**, Vikas M. Phalle and S. S. Mantha (2013), "Influence of temperature and semi cone angle on the performance of conical hydrodynamic journal bearing", 12th EDF/Pprime international Workshop: Futuroscope, France, September 17 and 18, 2013.
13. Aniket A. Takale, **Ajay Kumar Gangrade** and Vikas M. Phalle (2013), "CFD Analysis, for Pressure Distribution and performance analysis of a Hydrodynamic Journal bearing system", International Conference on Advances in Mechanical Engineering (ICAME - 2013), COEP, Pune, Maharashtra, India, May 29-31, 2013.

- **List of paper presented in proceedings of national conferences:**

14. Vikas M. Phalle, Ajay Kumar Gangrade and S. S. Mantha (2014), "Performance Analysis of Conical Fluid Film Hydrodynamic Journal Bearing for various aspect ratio", National Tribology Conference – 2014 (NTC-2014), Mech. Engg. Dept., PES Uni., Bengaluru, Under the Aegis of TSI, December 15-17, 2014.
15. Ramesh Bhandare, Vikas M. Phalle and Ajay Kumar Gangrade (2016), "To Investigate Effect of Misalignment on the Performance of Hydrodynamic Journal Bearing", National Tribology Conference 2016 "NTC2016" IIT (BHU) Varanasi, India, pp. 1-2, 8 - 10 December 2016.

- **List of poster presentation at research colloquium -**

16. Ajay Kumar Gangrade, Vikas M. Phalle and S. S. Mantha (2018), "Performance Analysis of a Conical Fluid Film Hydrodynamic Journal Bearing", PhD Colloquium VJTI, Mumbai, Poster No. - ME-02 ID No. – 129020103, April 9 & 10, 2018
17. Ajay Kumar Gangrade, Vikas M. Phalle and S. S. Mantha (2017), "Performance Analysis of a Conical Fluid Film Hydrodynamic Journal Bearing", PhD Colloquium VJTI, Mumbai, Poster No. - ME-03 ID No. – 129020103, Feb. 14 & 15, 2017.
18. Ajay Kumar Gangrade, Vikas M. Phalle and S. S. Mantha (2016), "Performance Analysis of a Conical Fluid Film Hydrodynamic Journal Bearing", PhD Colloquium VJTI, Mumbai, Poster No. - ME-03 ID No. – 129020103, April 3 & 4, 2016
19. Ajay Kumar Gangrade, Vikas M. Phalle and S. S. Mantha (2015), "Performance Analysis of a Conical Fluid Film Hydrodynamic Journal Bearing", PhD Colloquium VJTI, Mumbai, Poster No. - ME-03 ID No. – 129020103, March 17 & 18, 2015.
20. Ajay Kumar Gangrade, Vikas M. Phalle and S. S. Mantha (2014), "Performance Analysis of a Conical Fluid Film Hydrodynamic Journal Bearing", PhD Colloquium VJTI, Mumbai, Poster No. - ME-03 ID No. – 129020103, March 3 & 4, 2014.

DECLARATION:

The said information is true and authentic to the best of my knowledge.

Mr. A. K. Gangrade
(Employee Code – 160010)
Faculty,
Mech. Engg. Dept.
KJSCE, Vidyavihar ,
Mumbai 400-077

Date: 16/01/2019
Place: Vidyavihar (E)