

Name of Teaching Staff : Prof. Prashant Frank Crasta



Designation : Assistant Professor
Department : Mechanical Engineering
Date of Joining the Institution : 22.07.2013

Qualifications with Class / Grade : **M. Tech.**, Materials Engineering, KREC/NITK, Mangalore University, 71%, I Class Distinction ,1994

B. E. Metallurgical Engineering, KREC/NITK, Mangalore University, 67%, I Class, 1991.

Total Experience in Years : **Teaching: 9** years

- Assistant Professor in D.J. Sanghvi College of Engineering from 22.07.2013 to till date.
- Associate Professor SMVITM, Udupi From August 2012 to July 2013.
- Associate Professor MIT-Kundapura From Sept 2011 to August 2012.

Industry: 18 years

- Manager, Mukand Ltd., Thane from Sept 1996 to August 2011
- Engineer, Bhandary Industrial Metals Ltd. Goa from August 1995 to August 1996.
- Graduate Engineer Trainee Automotive Axles Ltd., Mysore, from August 1994 to August 1995.

Research

Papers Published:

International: ---

1. Neel Sanghvi, Frank Crasta and Vijaya Kumar N. Kottur, "Review of Application of Nitinol in the Manufacture of Bone Staples", Proceedings of International Conference on Intelligent Manufacturing and Automation, Lecture Notes in Mechanical Engineering, pp 315-322, Springer Nature Singapore Pte Ltd. 2019, https://doi.org/10.1007/978-981-13-2490-1_28
2. Dhyey M. Rajani, Frank Crasta and Vijaya Kumar N. Kottur, "A Review on Carbon Nanotubes as Novel drug Carriers in Cancer Therapy", Proceedings of International Conference on Intelligent Manufacturing and Automation, Lecture Notes in Mechanical Engineering, pp 459, Springer Nature Singapore Pte Ltd. 2020, https://doi.org/10.1007/978-981-15-4485-9_47
3. Aniruddha Mallick, Frank Crasta and Vijaya Kumar N. Kottur, "A Review on vibration Suppression of Flexible Structures Using Piezoelectric Actuators", Proceedings of International Conference on Intelligent Manufacturing and Automation, Lecture Notes in Mechanical Engineering, pp 713, Springer Nature Singapore Pte Ltd. 2020, https://doi.org/10.1007/978-981-15-4485-9_71
4. Aman M. Chulawala, Frank Crasta and Vijaya Kumar N. Kottur, "A Review on Carbon Fibre Reinforced Polymer Composites and the Methods of their Manufacture, Disposal and Reclamation", Proceedings of International Conference on Intelligent Manufacturing and Automation, Lecture Notes in Mechanical Engineering, pp 475, Springer Nature Singapore Pte Ltd. 2020, https://doi.org/10.1007/978-981-15-4485-9_49
5. Indhumathi Dayalan, Prashant Frank Crasta, Sritam Pradhan, and Renu Gupta "A Review on Stress Relaxation Cracking in Austenitic Stainless Steel", Proceedings of International Conference on Intelligent Manufacturing and Automation, Lecture Notes in Mechanical Engineering, pp 427, Springer Nature Singapore Pte Ltd. 2020, https://doi.org/10.1007/978-981-15-4485-9_44

National: ---

1. P. Frank Crasta, S. C. Kuiry, Amit Ganguly, "Effect of Tempering on Destabilized Microstructure of Ni-Hard", in Transactions of Indian Institutes of Metals Vol. 52, No. 5, October 1999
2. Chirag Gandhi, P Frank Crasta, K N Vijay Kumar, "Improving Quality Parameters of Steel Balls Affecting Noise in Ball Bearing", International Research Journal of Engineering and Technology (IRJET) ISSN : 2395-0056, Volume 3, Issue 6, June 2016.
3. Chirag Gandhi, P Frank Crasta, K N Vijay Kumar, "Study of Vibration Generated in Steel Balls Creating Noise in Ball Bearings", International Research Journal of Engineering and Technology (IRJET) ISSN : 2395-0056, Volume 3, Issue 6, June 2016.
4. Kavita Thakur, P Frank Crasta, "Enhancing Ink Mileage", International Journal of Research in Engineering and Applied Science (IJREAS) ISSN : 2249-3905, Volume 6, Issue 6, June 2016,.
5. Kavita Thakur, P Frank Crasta, "Utility of Six Sigma Application", International Research Journal of Engineering and Technology (IRJET) ISSN : 2395-0056, Volume 3, Issue 8, June 2016.
6. Prashant S Tripathi, P Frank Crasta, "Exploring Fatigue Behaviour of Connecting Rod made of Austempered Ductile Iron "(IRJET) ISSN 2395-0056 Vol. 4 Issue 4, April 2017
7. Prashant S Tripathi, P Frank Crasta, "A Review on Fatigue Behaviour of Connecting Rod made of Austempered Ductile Iron "(IRJET) ISSN 2395-56 . 4 Issue 5, May 2017
8. Omesh Manuja, Frank Crasta, Dr K N Vijaya Kumar "Multi Response Optimization of Machining Parameters in Spur Gear Hobbing Process by using Taguchi based GRA "(IJRMEE) ISSN 2349-7947 Vol. 4 Issue 5, May 2017
9. Omesh Manuja, Frank Crasta, Dr K N Vijaya Kumar "A Review on Multi Response Optimisation on Machining Parameters in Spur Gear Hobbing Process by using Taguchi based GRA "(IJRMEE) ISSN 2349-7947 Vol. 4 Issue 5, May 2017

Papers Presented in Conferences:

International: ---

1. "Effect of Tempering on Destabilized Microstructure of Ni-Hard Ring Casting", in Asian Foundry Congress at Calcutta in 1999.

National: ---

1. "Effect of Tempering on Destabilized Microstructure of Ni-Hard Ring Casting", in National Metallurgists Day at Jamshedpur in 1998.

PhD Guide? Give field & University :

Field: ----
University: ----

PhDs / Projects Guided :

PhDs : ----
Projects at Masters level: **05**

Books Published / IPRs / Patents :

Professional Memberships :

Life Member of Indian Society for Technical Education (ISTE)

Consultancy Activities :

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Awards :

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Grants fetched :

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Interaction with Professional Institutions :

Organised and participated in AICTE-ISTE approved STTP on "Robotics and Industrial Automation" from 12th to 16th November 2018 at D. J. Sanghvi College of Engineering, Vile Parle.