# CURRICULAM-VITAE

**HAREESHA N G**

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## Career Objective

Passionate, devoted educator looking for a proper position for teaching engineering students under UG or PG level that will utilize my strong dedication to students’ development and to their educational needs.

## Career Summary

* Experienced and dedicated professional with over 14 years of teaching and research experience in various Engineering colleges.
* Working as Subject Matter Expert (SME) in Mechanical Engineering for Chegg India Pvt. Ltd., which is a subsidiary of US based Chegg Inc.
* Working as Subject Matter Expert (SME) in Mechanical Engineering for CareerNet Technologies Pvt Ltd, Bangalore in reviewing and setting questions for placements and other competitive examinations.
* Trained undergraduate (Engineering) students in Computer Aided Engineering Drawing (CAED) and Computer Aided Machine Drawing (CAMD) using Solid edge since Aug-2008 to till date (Part of academic course for BE students).
* Worked as project coordinator, autonomous examination coordinator, timetable coordinator, NBA coordinator and Proctor coordinator.

## Educational qualifications:

* **Ph.D: Doctoral thesis submitted (in March 2018) to Visvesvaraya Technological University, Belagavi and anticipating for the final viva-voce.** Research is focused on “Investigations on Kinematic Isotropic Properties of Planar Linkages” under the guidance of Dr. K N Umesh, Professor, PES College of Engineering, Mandya.
* **PG: M.Tech in Mechanical Engineering** (Computer Integrated Manufacturing) from P.E.S. College of Engineering, Mandya, during 2005-07. Obtained First Class with Distinction with the aggregate percentage of 77.9, under VTU, Belagavi, Karnataka.
* **UG: B.E in Mechanical Engineering** from P.E.S. College of Engineering, Mandya during 2000-2004. Obtained First Class with the aggregate percentage of 69.5, under VTU, Belagavi, Karnataka.

## Work Experience (Total Experience:14 Years)

1. **Organization : Dayananda Sagar College of Engineering, Bangalore**

Department : Aeronautical Engineering

Duration : 21/06/2010 to till date

Designation : Assistant Professor

Responsibilities : Teaching the undergraduate students and also involved in

Research activities

: Involved in setting up of Aeronautical specific laboratories

: Involved in NAAC, NBA and Autonomous examination.

1. **Organization : Don Bosco Institute of Technology, Bangalore**

Department : Mechanical Engineering

Duration : 31/07/2007 to 12/06/2010 (3 years)

Designation : Lecturer

Responsibilities : Teaching undergraduate students.

: Training the students in the field of Modeling and Analysis

using CATIA V5, ANSYS, ALGOR.

1. **Organization : P.E.S. College of Engineering, Mandya**

Department : Mechanical Engineering

Duration : 17/09/2004 to 15/05/2007 (2 years, 8 months)

Designation : Lecturer

Responsibility : Teaching undergraduate students.

## Other Roles and Responsibilities

* Prepared Computer Aided Modeling and Analysis Laboratory Manual for 6th semester Mechanical Engineering students at Don Bosco Institute of Technology during the year 2008-2009.
* Prepared CIM and Automation Laboratory Manual for 7th semester Mechanical Engineering students at Don Bosco Institute of Technology during the year 2009-10.
* Prepared Conference proceedings of Advancement in Mechanical Engineering-2009 (AME-09), for the National conference held at Don Bosco Institute of Technology, Bangalore during the year 2009-10.
* Prepared Aircraft Energy Conversion Laboratory Manual for 5th semester Aeronautical Engineering students at Dayananda Sagar College of Engineering during the year 2010-11.
* Prepared Computer Aided Aircraft drawing instruction manual for 4th semester Aeronautical Engineering students at Dayananda Sagar College of Engineering during the year 2015-15.
* Conducted Faculty Development program (FDP) in Computer Aided Machine Drawing (CAMD) for the staff of Aeronautical, Automobile and Chemical Engineering during Dec 2011 for 6 days at Department of Aeronautical Engineering, Dayananda Sagar College of Engineering, Bangalore.
* Prepared Aircraft Propulsion Laboratory Manual for 6th semester Aeronautical Engineering students at Dayananda Sagar College of Engineering during the year 2011-12.
* Involved in preparation of syllabus of 2015 scheme for Aeronautical Engineering under VTU and proposed two new subjects; Computer Aided Aircraft drawing and Mechanical Design.
* Has MoU with onlineguru Pvt Ltd and shared my classroom lecture Presentations with them. These presentations are available in www.studyeasy.in

## Software proficiency:

Modeling tools : CATIA V5, AUTOCAD, AutoDesk Inventor, Solid Edge

Simulation : Master CAM, MATLAB, ADAMS

Analysis : ANSYS 11.0, Minitab 15, ALGOR

Programming : CNC programming, MATLAB Programming

## Subjects Handled For UG

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| --- | --- |
| Design of Machine Elements-1  Strength (Mechanics) of Materials  Theory of Vibrations  Dynamics of Machines  Kinematics of Machines  Aircraft Structures-1  Experimental Stress Analysis  Mechatronics and Microprocessor  Hydraulics and Pneumatics | Industrial Robotics  Computer Aided Engineering Drawing  Computer Aided Machine Drawing  Computer Integrated Manufacturing  Manufacturing Processes  Mechanical Measurements & Metrology  Non Traditional Machining  Non Destructive Testing  CAD/CAM |

## Laboratories Handled For UG

|  |  |
| --- | --- |
| **For Mechanical Engineering** | **For Aeronautical Engineering** |
| Heat and Mass Transfer Laboratory  Design Laboratory  Material Testing Laboratory  Foundry and Forging Laboratory  Machine Shop  Metrology and Measurements Laboratory  Modeling and Analysis Laboratory  CIM and Automation Laboratory | Aircraft Energy Conversion Laboratory  Aircraft Structures Laboratory  Aircraft Propulsion Laboratory  Simulation Laboratory |

## Details of publications:

### International journals:

1. Hareesha N G, K N Umesh, “Kinematics and Isotropic properties of Excavator Mechanism”, International Journal of Engineering Research & Technology, Volume 3, Issue 17, 2015, pp.82-87. ISSN: 2278-0181.
2. Hareesha N G, K N Umesh, “Synthesis of Redundant Planar Isotropic Manipulator Using Link Length Ratios”, International Journal of Engineering and Management Research, Volume-8, Issue-1, pp. 73-78, 2018. ISSN: 2250-0758.

### International conferences:

1. Hareesha N G, Ravindra H V, “Robust design based optimization of process parameters of WEDM”, International conference-MEMS’08, AEC Bhatkal, Karnataka, India
2. Hareesha N G, Ravindra H V, Nixon Kuruvila K, “Optimization of process parameters of WEDM using Taguchi’s technique to achieve good surface finish and better accuracy”, International conference -AIMTDR2008, IIT Madras, Tamilnadu, India.
3. Hareesha N G, R Suresh Kumar, “Dry Sliding Wear Study of Mild Steel Coated With Titania (Al 20 Wt% TiO2)–A Taguchi Approach”, International Conference On Operational Excellence For Global Competitiveness - ICOEGC – 2011, Feb 3-5, 2011, at Department of Industrial Engineering and Management, R V College of Engineering, Bangalore – 560 059
4. Hareesha N.G, Ugrasen G, “Estimation Of Factor Effects And Parametric Optimization Of Wire EDM For HCHCR Tool Steel” International conference on ICACCI'2012 , 3-5, Aug 2012 at RMKEC, Chennai.
5. Hareesha N G, Dharshan B G, Anantha padmanabham K C, “Design and Analysis of a Press Tool for Retainer Used in Lower Door Hinge of Automobile” The International Conference on Current Trends in Engineering, Science and Technology (ICCTEST - 2017), Don Bosco Institute of Technology, Bangalore and Kasetsart University, Bangkok, Thailand.

### National conferences:

1. Hareesha N G, Dharshan B G, Anantha padmanabham K C, “Effect of Additives on Chromite Sand Mould for Aluminum Castings”, National Conference on Engineering of Materials through Energetic Particles (NCEMEP), April 8-10, 2010, Bahubali College of Engineering, Shravanabelagola
2. Hareesha N G, Dharshan B G, Anantha padmanabham K C , “Effect of Additives on Olivine Sand Mould for Aluminum Castings”, National Conference on National Conference on Approaching Scholastic Horizon in Mechanical Engineering, NCASHME-2010, 24-25th April 2010, SSEC, Bangalore
3. Hareesha N G, K U Umesh, Vinod C J, “Robust Design Based Parametric Optimization of Wire-Cut Electric Discharge Machining”, National Conference on Engineering of Materials through Energetic Particles (NCEMEP), April 8-10, 2010 at Bahubali College of Engineering, Shravanabelagola
4. Satyamurthy N, Hareesha N G, “Monitoring The Spindle Bearing Of A Lathe Using Acoustic Emission”, conference on modern trends in Mechanical Engineering MTME-2010, Sept 24-25, 2010 organized by Institutes of Engineers, Mysore, India
5. Hareesha N G, Giriswamy B G, Satyamurthy N, “Mechanical Behavior Of Stir Cast Sic - Al (MMC’s) Composite - Experimental And Finite Elemental Analysis”, National Conference on Developments in Composite Materials and Processes (DCMP-2011), 7 to 9th April, 2011 at Don Bosco Institute of Technology, Bangalore, Karnataka.
6. Hareesha N G, K U Umesh, “Isotropic Manipulators as Energy Efficient Devices in Manufacturing Industry”, National Conference on Green Energy, Environment & Sustainable Development (NCGEESD '18), 9th and 10th March 2018, Bengaluru, India.

## Workshops/Conferences Attended

* Participated in the ‘Faculty Development Programme’ conducted on 21-22nd Sept 2007 at Don Bosco Institute of Technology, Bangalore.
* Attended the MHRD Sponsored STTP on ‘Modeling and Simulation of engineering systems’ organized by NIT Warangal, AP, during 7th – ­19th July 2008.
* Attended the ‘International Conference on MEMS-08’ which held at Anjuman College of Engineering, Bhatkal, Karnataka on 22nd -23rd October 2008.
* Participated in ‘Faculty development program on Metrology and measurement techniques’ which held at Don Bosco Institute of Technology, Bangalore during 2-5th of February 2009.
* Attended National Conference on ‘Advances in Mechanical Engineering-AME’09’ which held at Don Bosco Institute of technology, Bangalore on 30th -31st March 2009.
* Participated in the workshop on ‘High Impact Teaching Skills-Mission10X’ - which held at Don Bosco Institute of Technology, Bangalore conducted by Dale Carnegie and associates and Wipro Technologies, Bangalore between 4th to 8th May 2009
* Participated in the workshop on ‘Research Methodologies and Report Writing’- which held at MSRIT, Bangalore conducted by E-Learning center, VTU, Belgaum during may 28-29th 2009.
* Attended ‘National Conference on Engineering of Materials through Energetic Particles (NCEMEP)’, April 8-10, 2010 at Bahubali College of Engineering, Shravanabelagola.
* Participated in ‘workshop on Building and Flying Micro Air Vehicles’ at Reva Institute of technology and Management, Bangalore, Organised by VTU,Belgaum, The institution of Engineers and Drone Aerospace, on 22nd and 23rd Oct 2010.
* Attended a workshop on Industry Academia Interaction Event on PDM by EDS Technologies at MS Ramaiah Institute of Technology on 28th Dec 2010
* Attended National Conference on Developments in Composite Materials and Processes (DCMP-2011), 7 to 9th April, 2011 at Don Bosco Institute of Technology, Bangalore, Karnataka.
* Attended the AICTE Sponsored STTP on “Recent advances in Design of Press Tools, Jigs and Fixtures” organized by the Department of Mechanical Engineering, NIT, Calicut, Kerala during 04th July – 09th July 2011
* Attended FDP on “Autodesk AUTOCAD, INVENTOR and FUSION 360” organized by the Department of Mechanical Engineering, DSCE, Bengaluru, during 27-29th Jan-2015.

## Achievements

* Got 1st place at School level and Taluk level in SSLC Examination during the year 1998.
* Got 1st place in PUC Examination at College level during the year 1999 and 2000.
* Got 1st place in M.Tech Examination at College level in all the semesters.
* Obtained appreciation certificate from the Dept of Mech Engg, Don Bosco Institute of Technology, Bangalore for 100% result in two subjects during the academic year 2006-07 and 2007-08.
* My class room presentations are shared in [www.slideshare.net](http://www.slideshare.net). These contents are viewed across the globe more than one million times.

## Personal Information

Date of Birth : 02-03-1982

Father’s Name : Gowdaiah

Sex : Male

Marital Status : Married

Nationality : Indian

Religion : Hindu (Vokkaliga)

Languages Known : Kannada, English and Hindi

Permanent Address : #17, Naragalu, Mayagonahalli Gate and Post

Nagamamngala (TQ), Mandya (Dist)

Karnataka, PIN-571802

I do hereby declare that, the information given above is true to the best of my knowledge and belief.

Place: Bangalore (Hareesha N G)