## CURRICULUM VITAE

**OM PARKASH**

## Address -

## House no. 156, Ward no. 3

## Behind Deepam Industries,

## Old Ahemdpur Road,

## Village - Shamshabad Patti,

##  Sirsa-125055

**om.mech8@gmail.com**

**Mob. No.-+91-9813461935**

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**Career Objective:**

To work in a challenging, dynamic & professional environment that allow me to achieve the organization goals, while enhancing my skills, create something new & become a milestone in hypercompetitive world.

**Job/Experience:**

* Currently working as an Assistant Professor in Amity University Haryana since 21 Feb.2012.
* Worked as an Assistant Professor in Mechanical Engineering Department in SKIET Kurukshetra from 21 July 2011 to 18 Feb. 2012.
* Worked as a Guest lecturer in CDLM Govt. Engg. College Panniwala Motta, Sirsa from Aug. 2008 to May 2009.

**Educational Qualifications:**

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| --- | --- | --- | --- | --- |
|  Examination  | School / College | Board /University | Year of Passing | CGPA / %  |
| M.Tech(Machine Design) | NIT Kurukshetra | NIT KKR | 2011 | 9.163(82.43%) |
| B.Tech (Mechanical) | CDLM Govt Engg. College Panniwala Motta, Sirsa | Kurukshetra UniversityKurukshetra | 2008 | 74.9% |
| 12th | Govt. Sr. Sec. School, Sirsa | B.S.E.H | 2003 | 57.8% |
| 10th | Govt. Sr. Sec. School, Sirsa | B.S.E.H | 2001 | 62% |

**Subject Taught:**

1. Machine Design

2. Kinematics of Machine

3. Dynamics of Machine

4. Strength of Materials

5. Mechanical vibrations

6. Computer Aided Design

7. Engineering Graphics and Drawings

8. Thermodynamics

9. Power Plant Engineering

10. Fluid Machines

11. Computational Fluid Dynamics

**Academic Project:**

**B. Tech Projects**:

* Unmanned Railway crossing
* Regenerative Braking System

**Professional Bodies Membership:**

* Associate Member of **“Universal Association of Mechanical and Aeronautical Engineers”** **UAMAE (Membership** ID**:** **AM1010005012**).
* Member of **International Association of Engineers (IAENG) (Membership** **No**.**:** **154971**).
* **Reviewer** of International Journal of Engineering Research and Technology
* **Board Member** of International Journal of Mechanical Engineering
* Student membership of **SAE International (Society of Automotive Engineers)**
* Member of **world metal Forming**
* Member of **American Solar Energy Society (ASES) (ID-193530)**

**M.Tech Dissertation:**

 Finite element analysis and optimization of connecting rod using CAE Tools.

**Publication:**

* International Journals
1. Paper entitled **“Optimizing the Design of Connecting Rod under Static and Fatigue Loading”** published in **International** Journal of Research in Management, Science & Technology, ISSN: 2321-3264, Vol. 1, June 2013.
2. Paper entitled **“Structural and Thermal analysis of single plate clutch using CAE tools”** International Journal of Scientific Research and Development, ISSN 2321-0613, page no.-1060-1062, vol. 4, issue 02, April 2016.
3. Paper entitled **“Thermal analysis of fin with varying geometry of different materials”** International Journal of Scientific Research and Development, ISSN 2321-0613, page no.-1763-1765, vol.-4, issue 03, May 2016.
4. Paper entitled **“Energy generation from speed breaker by Rack and Ratchat mechanism”** [International Journal of Advance Research and Innovative Ideas in Education](http://generalimpactfactor.com/searchissn.php), ISSN No.-2395-4396, , vol. -02, issue 03, June 2016.
5. Paper entitled **“Static analysis & optimization of connecting rod using CAE tools** “International Journal of Advance Research and Innovative Ideas in Education, ISSN No. – 2395-4396, page no. – 1389 – 1392, vol. 0., issue 03, 2017.
6. Paper entitled **“Modeling and Simulation of sand-water slurry flow”** International Journal of Advance Research and Innovative Ideas in Education, ISSN No. – 2395-4396, page no. – 1389 – 1392, vol. 0., issue 03, 2017.
7. Paper entitled **“Design, Construction and Performance of spiral diffuser”** Journal of Thermal Energy Systems, page no. – 1-6, vol 2, issue 02, June 2017.
* International Conference
1. Paper entitled **“Finite element analysis and optimization of crankshaft”** published in international conference held on 25-26 Feb 2012 at OITM, HISSAR.
2. Paper entitled “Fatigue failure analysis and optimization of connecting rod using ANSYS” published in international conference held on 25-26 Feb. 2012 at OITM, HISSAR.
3. Paper entitled **“Modal analysis of a farm tractor front axle”** published in international conference held on 25-26 Feb. 2012 at OITM, HISSAR.
4. Paper entitled “Thermal analysis of IC engine cylinder” published in international conference held on 25-26 Feb. at OITM, HISSAR.
5. Paper entitled **“static analysis of connecting rod using ANSYS”** published in international conference held on March 2013 at PPIMT, HISSAR.
6. Paper entitled **“Analysis of various Flow Parameters in Longitudinal Curvilinear Diffuser”** published in international conference held on 26-27 December 2016 at YMCAUST, Faridabad
7. Paper entitled **“Design, Fabrication and Performance of Parabolic Diffuser”** published in international conference held on 26-27 December 2016 at YMCAUST, Faridabad.
* National Conference
1. Paper entitled “Finite element analysis of drive shaft using ANSYS” published in National Conference on Recent Advancement & Innovations in Science and Engineering (RAISE 2012) held on 5th January 2012 at GRDIET BATHINDA.
2. Paper entitled “A survey on evolution of wireless technologies” published in National Conference on Recent Advancement & Innovations in Science and Engineering (RAISE 2012) held on 5th January 2012 at GRDIET BATHINDA.
3. Paper entitled, “Static analysis of a farm tractor front axle using ANSYS” published in RAETE- 2012 held on 22-24 Feb. 2012 at JCD, Sirsa.
4. Paper entitled “optimization of connecting rod using ANSYS” published in National conference held in May 2013 at NITTTR, Chandigarh.
5. Paper entitled “Design, Construction and Performance of Spiral Diffuser” published in National Conference on Sustainable Engineering Practices in Materials, Water and Energy Technologies held at BRCM CET, Bahal during 18th – 19th March, 2017.

## Computer Exposure:

* Working knowledge of Computers: Windows Xp, 7, 10, MS-office and Internet.
* Designing Software : Auto-CAD, CATIA, Solid Works, ANSYS
* Software languages : C (Basic)

## Extra Curricular Activities:

* **GATE Qualified (3 times) (AIR – 1586).**
* Get **2nd position** in class 10th in Govt. Sr. Sec. School Sirsa.
* Organizing member of **ACME** in CDLM Govt. Engg. College Panniwala Mota.
* Active member of **MEXPERTS** society at NIT Kurukshetra.
* Participated in **Technical quiz** in school and college.
* Participated in workshop on **AUTONEX** at NIT Kurukshetra.
* Organized **MCAD** event in Amifest-2015,2016,2017 at Amity University Gurgaon
* Sports Coordinator in **SANGATHAN-2016** at Amity University Gurgaon

## Short Term Course & Training:

## Six Week Summer Training in Havell’s India Ltd., Faridabad (HRY).

## Six Week Summer Training in VEEGEE Industrial Enterprises Faridabad (HRY)

## Attended ten days workshop on “Engineering Mechanics” at Amity University Haryana, organized by IIT Bombay from 26 Nov. 2013 to 6 Dec.2013.

## Attended one week workshop on “Solid Works Training” at Amity University Haryana.

## Attended two days workshop on “Research proposal for winning projects” at Amity University Haryana, from 4 March 2014 to 5 March 2014.

## Attended ten days workshop on “Fluid Mechanics” at Amity University Haryana organized by IIT Kharagpur, from 20 May 2014 to 30 May 2014.

## Attended three days short term course on “CFD Application in Tribology” at NIT Kurukshetra held in May 2013.

## Attended Lecture on “Complex Patterns in Granular and Suspension Flows” at Amity University Haryana on 28 November 2014.

## Attended Lecture on "Introduction to Gas Turbine" at Amity University Haryana on 09 January 2015.

## Attended workshop on “****Robot Analyzer** **(****software developed at ME Deptt. IIT Delhi)” at Amity University Haryana on 06/01/2015.

* Attended a Seminar on “**Die Casting Technology”** at Amity University Haryana on 13th March 2015.
* Attended workshop on “**3D Printing Technology”** at Amity University Haryana on 26 March 2015.
* Attended workshop on “**Filter** **Technology”** at Amity University Haryana on 26 March 2015.
* Delivered an Expert lecture in a workshop on **"Recent Advancement in Mechanical Engineering"** at IET Alwar from 25th-28th, Feb 2015.
* Attended an expert talk on **“NISCAIR Activities - Writing Scientific Papers and Science Communication”** at Amity University Haryana on 15 April 2015.
* Attended three days workshop on “**Lab View software”** at Amity University Haryana from 11th May -13thMay 2015
* Attended workshop on **“Mathematical modeling”** at Amity University Haryana from 4 June to 6 June 2015.
* Attended Science circle lecture on **“Infectious Disease”** at German embassy Delhi on 4 February 2016.

## Attended ten days workshop on “Research Methodology” at YMCAUST Faridabad (Haryana) organized by NITTTR Chandigarh from 6th june to 17th june 2016.

## Attended fifteen days workshop on “Computational Fluid Dynamics” at Amity University Noida (Uttar Pradesh) from 20 June to 5 July 2016.

## Attended a “Seminar on Gas Turbine” at Amity University Noida (Uttar Pradesh) on 7 November 2016.

**Personal Profile:**

Name : Om Parkash

Father’s Name : Sh. Fakeer chand

Mother name : Smt. Bimla Devi

Marital Status : Married.

Nationality : Indian.

Language Known : English, Hindi and Punjabi

Hobbies : Traveling, Chess, Football, Basketball.

Date of birth : 08-07-1986

## My Strength:

Smart Working, Target Oriented, Always Positive, Confidence, Good interpersonal Skills & Adaptable.

**Declaration:**

I hereby declared that all the information co-added by me is authentic & correct up to my knowledge.

**References:**

* 1. Dr. Vinod Kumar Mittal

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NIT Kurukshetra

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* 1. Dr. Vikas Gupta

Professor

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CDLM Government Engineering College Pannniwala Motta

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* 1. Dr. Rahul Sahay

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**Place: ……………**

**Date :…………….**

(**OM PARKASH)**