

## Beena Limkar

3, Elite Homes, Sadanandanagar,  
Sinhagad Road, Pune 411051

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### PERSONAL SUMMARY

I am a well networked and results oriented person possessing proven technical and leadership skills. Commercially aware and able to successfully lead and motivate teams to achieve maximum performance and results. I am having a consistent track record in achieving all set targets. I believe in continuous improvement and willingly take necessary actions.

### CAREER HISTORY

Assistant Professor – Department of Technology, Savitribai Phule Pune University  
Jan 2017 - continuing

JUNIOR RESEARCH FELLOW – MKSSS, College of Engineering for Women  
May 2016 – Jan 2017

#### Duties:

Projects executed:

- Shelf life of fruits – Investigate if modal analysis can be used to determine shelf life of fruits
- Modal Analysis of cantilever beam – Determining dynamic characteristics of cantilever beam using:
  - Analytical calculations
  - Finite element analysis
  - Experimental modal analysis
  - Operational modal analysis

TEACHING ASSOCIATE - Department of Technology, Savitribai Phule Pune University  
November 2015 – April 2016

#### Duties:

Executed projects involving:

- Numerical methods
- Data modelling
- Time series analysis

- Data scanning for 3D printing
- Feature extraction from EEG dataset obtained from Neurosky
- MatLab programming
- Raspberry Pi
- Python programming

SENIOR MANAGER – V J Coresoft Pvt. Ltd.

CAE software testing

November 2000 – August 2015

Duties:

- Holding weekly meetings and setting targets for individual teams and the whole team.
- Organizing and operating schemes to motivate team members.
- Involved in the recruitment of new staff.
- Training the new staff for all testing and FEA activities.
- Compiling and analyzing performance reports for senior managers and executives.
- Involved in the development of strategies for the company in setting up new projects.
- In charge of over 20 staff.
- Spending time with major customers on technical points of contact.

SENIOR ENGINEER – Onward Technologies

April 2000 – October 2000

Duties:

- Involved in product development.
- Failure analysis of various components.
- Faculty for imparting training on ProEngineer and FEA

SENIOR ENGINEER – Concast Standard Pvt. Ltd.

April 1998 – April 2000

Duties:

- Involved in design of various components of continuous casting machines.
- Analysis of erection structures of casting machines.
- Checking engineering drawings and BOM.
- A program was developed for analysis of beams under various load and boundary conditions and also for finding the centre of gravity of various complex components.

Graduate Trainee – TELCO

- Design and modeling of various gearbox components
- Preventive and breakdown maintenance of machines

## PROFESSIONAL EXPERIENCE

In my long career with V J Coresoft I worked in QA of varied FEA software that mostly deal with mechanical engineering. This is a very challenging job from managerial and technical point of view. My role requires fundamental knowledge of the domains that handled by me. I have to analyze the quality of the tested software at various stages, develop a testing plan and implement testing procedures.

My responsibilities include setting up new projects right from deciding testing strategies, recruitment, setting up and implementing the procedures and monitoring the projects at various stages.

I have a team having expertise in various FEA analyses. I train my team members and thereafter, I am involved in solving the problems faced by them.

### Management

- Strong decision making abilities.
- Problem solving attitude.
- Possessing the ability to motivate and lead a winning team.
- Excellent report writing skills.
- Strong time management and organizational skills.
- Overseeing the recruitment of new staff, as well as their training and induction.
- Excellent attention to detail.
- Constantly striving to outperform and lead by example.
- Having the ability to think creatively, strategically and analytically.

### Technical

I have experience in the following CAE/FEA domains. Each type of analysis is tested from the first principles wherein the domain knowledge and its implementation in the CAE software are very important. I was involved in creation of test cases required for testing. These cases are nothing but actual analysis problems that are simulated in the FEA software.

- Structural analysis
- Dynamic analysis
- Durability
- Noise & Vibration
- Acoustics
- Multi body analysis

- Sheet metal forming
- Welding
- Material models
- Optimization

The products tested

- Ansys Workbench
- LMS Virtual.Lab
- Autoform
- Morfeo
- NEiNastran
- Noesis

I also have experience in CAE development.

- Development of nonlinear material models – Drucker Prager & Mohr-Coulomb material models
- Development of thermal element.
- Development of meshless algorithm
- Development of basic Finite element analysis (FEA) for 2D analysis

FEA analysis

- Static structural analysis of fuel cells
- Analysis of cabin noise inside a car cavity
- Modal contribution analysis of car panels
- Effect of engine vibrations at driver ear position

## PREVIOUS CAREER HISTORY

My experience in the early part of my career involved basically product development, training and analysis. I worked on CAD modeling and CAD training.

I executed FEA analysis of Clutch and brake pedals for a tractor in Pro-Mechanica.

I also worked on preventive and breakdown maintenance as part of my Graduate Trainee.

## ACADEMIC QUALIFICATIONS

Year	Examination	Examining Authority	Performance
2009	PGDBA - Marketing	Symbiosis Center for Distance Learning	Grade A
1998	M. Tech. (Design Engineering)	Indian Institute of Technology, Powai	Grade AB
1995	B.E. (Mechanical)	Pune University	70.4%
2012	Certified Financial Planner	FPSB India	Grade B
1991	H.S.C.	Maharashtra State Board	87.14%
1989	S.S.C.	Maharashtra State Board	82.7%

## PERSONAL INFORMATION

Name: Mrs. Beena S. Limkar  
Sex: Female  
Marital Status: Married  
Nationality: Indian  
Date of birth: 3rd April 1974  
Passport number: H0891644 - US Visa valid up to March 2019  
Mobile number: +91 9420495501, +91 8149912344

## REFERENCES

Available on request.

## DECLARATION

I, do hereby confirm that the information given above is true to the best of my knowledge

Beena S.

Senior Manager

V. J. Coresoft Pvt. Ltd.