

CURRICULUM VITAE

TEJAS K.S

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Experience Summary

- Having a total of **5 years of experience** in Teaching, Design, Research, and development of products using commercial tools like **Unigraphics NX, Solid works &Solid edge**.
- At present working as an Assistant Professor in the Department of Mechanical Engineering, BGS College of Engineering & Technology.
- Working as an Assistant Professor in the Department of Farm Machinery and Power Engineering, College of Agricultural Engineering “University of Agricultural sciences”
- Having an experience in Modeling of actuator components, the Production field, and good knowledge in a Machine shop, worked as a junior engineer at Auma India Pvt Ltd.
- Having an experience in Production planning control at Hindustan aeronautics limited.
- Good knowledge on 2D-3D CAD modeling in Unigraphics & Solid works.
- Good knowledge on Surfacing, synchronous modeling and sheet metal module in Unigraphics.
- Having good knowledge on Engineering CADD, Design of Machine Elements, GD&T, Machine design and Theory of structures.

Educational Qualifications

Name of Course	Name of the Institution	Board/University	Percentage	Year of passing
M.TECH Machine Design	Dr.Ambedkar Institute of Technology	Visvesvaraya Technological University	72.54%	2017
B.E Mechanical	East West Institute of Technology	Visvesvaraya Technological University	66.85%	2015
Diploma Mechanical	H.M.S rural Polytechnic	Board of Technical Education	65.64%	2009

Skill Sets

CAD Tool : Unigraphics (NX 12.0), Solid works & Solid edge.

Computer skills : All Microsoft applications (Word, Excel).

Professional Experience-1

Firm : **University of Agricultural Sciences, Bangalore.**

Designation : Assistant Professor (also assisted as Design Engineer).

Duration : Nov 2017- Oct 2022.

Responsibilities

- Teaching undergraduate and graduate students, research, preparing lectures, conducting, attending seminars, and assisting in lab work and projects.
- Providing demonstrations and supervising experiments.
- Providing Professors and Department Heads with feedback on student progress.
- Attending faculty and departmental meetings and voicing concerns or providing suggestions for improvement.
- Assisting with various departmental duties and providing academic support to Professors and other staff.
- In addition to teaching I also assisted as design engineer in some of the department projects to carried out the design work on the different projects as per requirements and as per the guide lines of the principle investigator.
- Responsible for Design and development of components as per requirements.
- Involved in modeling, detailing and drafting of individual parts and assembly models.
- Fabrication of different components by using different facilities like work shop and machine shop to bring it to the final as a working model or a prototype and the machine is analyzed by considering different parameters.

Projects at University of Agricultural Sciences (Assisted P.I)

- 1. Project title** : Design and Development of “Field bean de-skinner” (Prototype)
Farmer Need based project.

Description : Modeling and drafting of individual parts and assembly models and also involved in fabrication of prototype, evaluation of its performance.

Role : 3D modeling & Drafting.

Duration : Ongoing
- 2. Project title** : Design and Development of “Dehusked coconut cutter”
(Working model)Farmer Need based project.

Description : Modeling and drafting of individual parts and assembly models and also involved in fabrication, evaluation of its performance.

Role : 3D modeling, Assembling & Drafting.

Duration : 4 months
- 3. Project title** : Design and Development of “Automatic solar sprayer” (working model) Farmer Need based project.

Description : Modeling and drafting of individual parts and assembly models and also involved in fabrication, evaluation of its performance.

Role : 3D modeling, Assembling & Drafting.

Duration : 3 months

Professional Experience-2

Firm : **AUMA INDIA Pvt.Ltd**, Bangalore.
Designation : Junior Engineer.
Durations : Nov 2010 - Aug 2012

Responsibilities

- Worked has a junior engineer in the production department and I am responsible for assembly of electrical actuators of different variants.
- Once after testing of actuators I am also responsible for attending reworks if any.
- Worked on assembly of gear box which is also another product of company and available in different variants.

Professional Trainings & Internships

Firm 1 : **Udemy (Online courses)**

Durations : 2 Months

Course title : “Unigraphics NX from Basic to Professional”
“Siemens NX Unigraphics (UG) Fundamental 3D Modelling”

Firm 2 : **Hindustan Aeronautics limited, Bangalore**

Durations : 1 Year as an Apprentice Trainee.

Description : Understanding Concepts of production planning and control, manufacturing of components of aero engine housing by casting and forging methods.

Firm 3 : **Auma India Pvt. Ltd, Bangalore.**

Duration : 4 Months.

Roles : Performed CAD works on real time projects.

Academic Project Works

1. Master of Technology (Machine Design).

Title : **Bird Impact analysis of a composite wind turbine blade**

Description : I have done simulation work on composite wind turbine blade to study its behavior during its catastrophic failure by using ABAQUS software.

2. Bachelor of Engineering (Mech. Engg.).

Title : **Design and Fabrication of Multi direction dumper**

Description : We have designed and fabricated a small demonstration model of multi direction dumper truck to dump the load in 3 directions.

Personal Information

Full Name : Tejas K.S.
Father's Name : Sridhar K.N
Permanent Address : 1216, Anjanadri Nilaya, Chowdeshwari Street, behind
Canara bank, kunigal-572130.
Date of Birth : 6th June 1990
Languages Known : Kannada, English & Hindi.
Hobbies : Playing Games, Reading Books.

Strengths

- Good oral, written & presentation skills.
- A high tolerance of stress and enjoys responsibilities.
- Quick learner with good grasping ability.
- Lead & work as a team in an organized way.
- A good hard work & commitments.

Declaration

I hereby declare that the above written particulars are true to the best of my Knowledge and belief.

Place : Bangalore

Date : 29.12.2022

TEJAS K.S