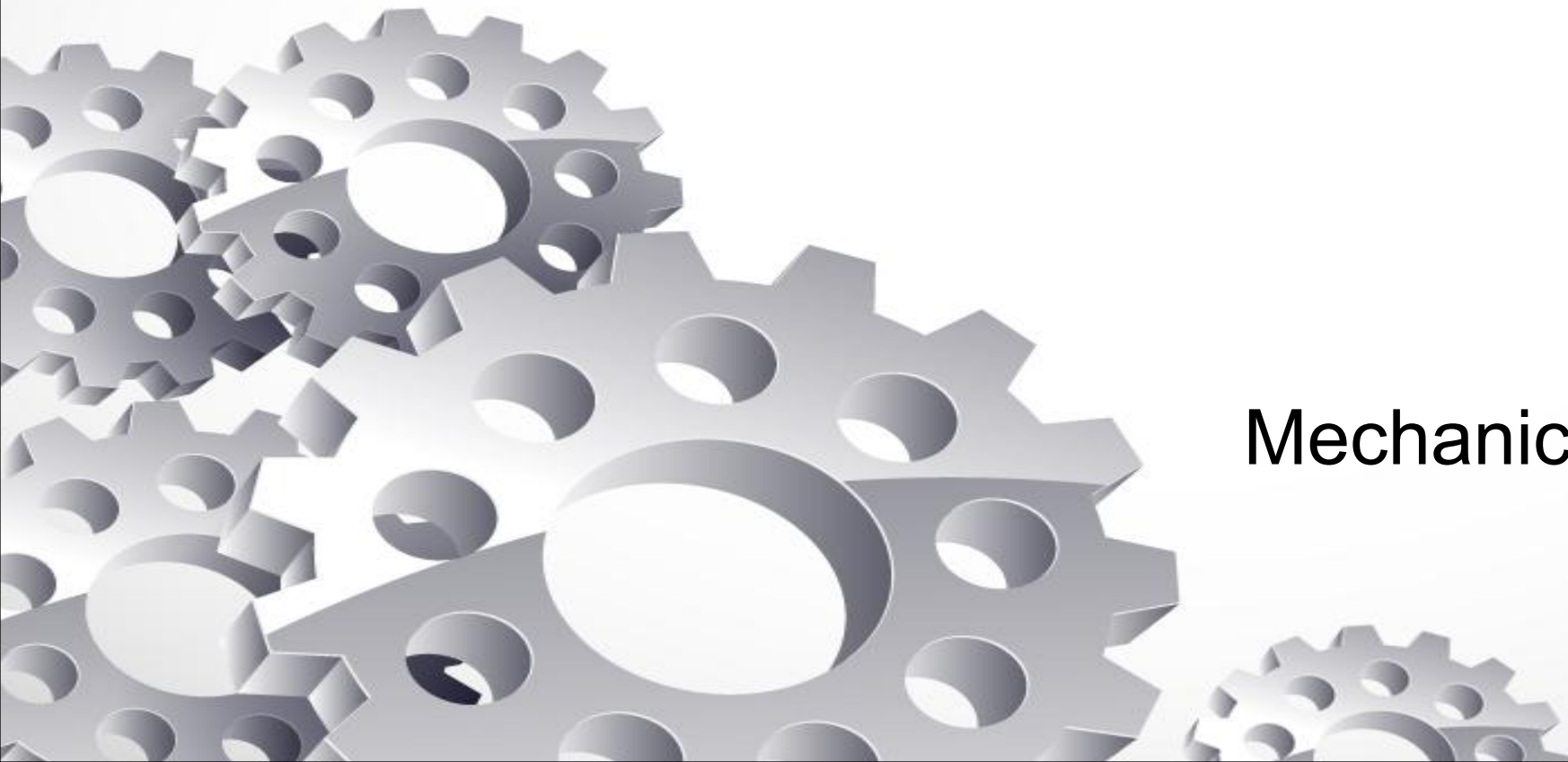


Debashis Nayak

Mechanical Product Engineer



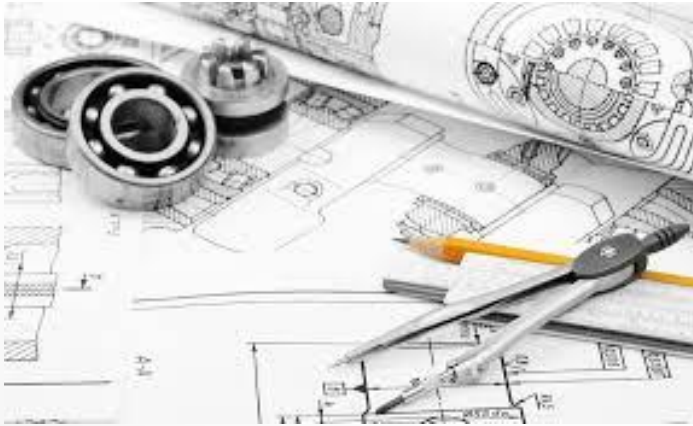
About Me:

- I am an innovation design consultant delivering human focused solution with global impact. I utilize design as a strategic tool advancing client's ability to focus on people's need and aspirations while creating sustainable business result and benefits to the society.
- I have a team of experienced Professionals, combining skills in high-end CAD/CAE tools and design domain knowledge, focus on most cost effective services in stipulated time frame. We are leading design and manufacture consultant to major OEM suppliers, giving end-to-end solution to automotive and manufacturing industry from concept design, manufacturing through proving the tools and products.



Why Me??

- My USP is “Single Window” experience for Customized Engineering Solutions by integrating Engineering Services, IT Products, and IT Operations.
- I understand unique needs of business and assist companies to get an edge over competition by leveraging Information Technology

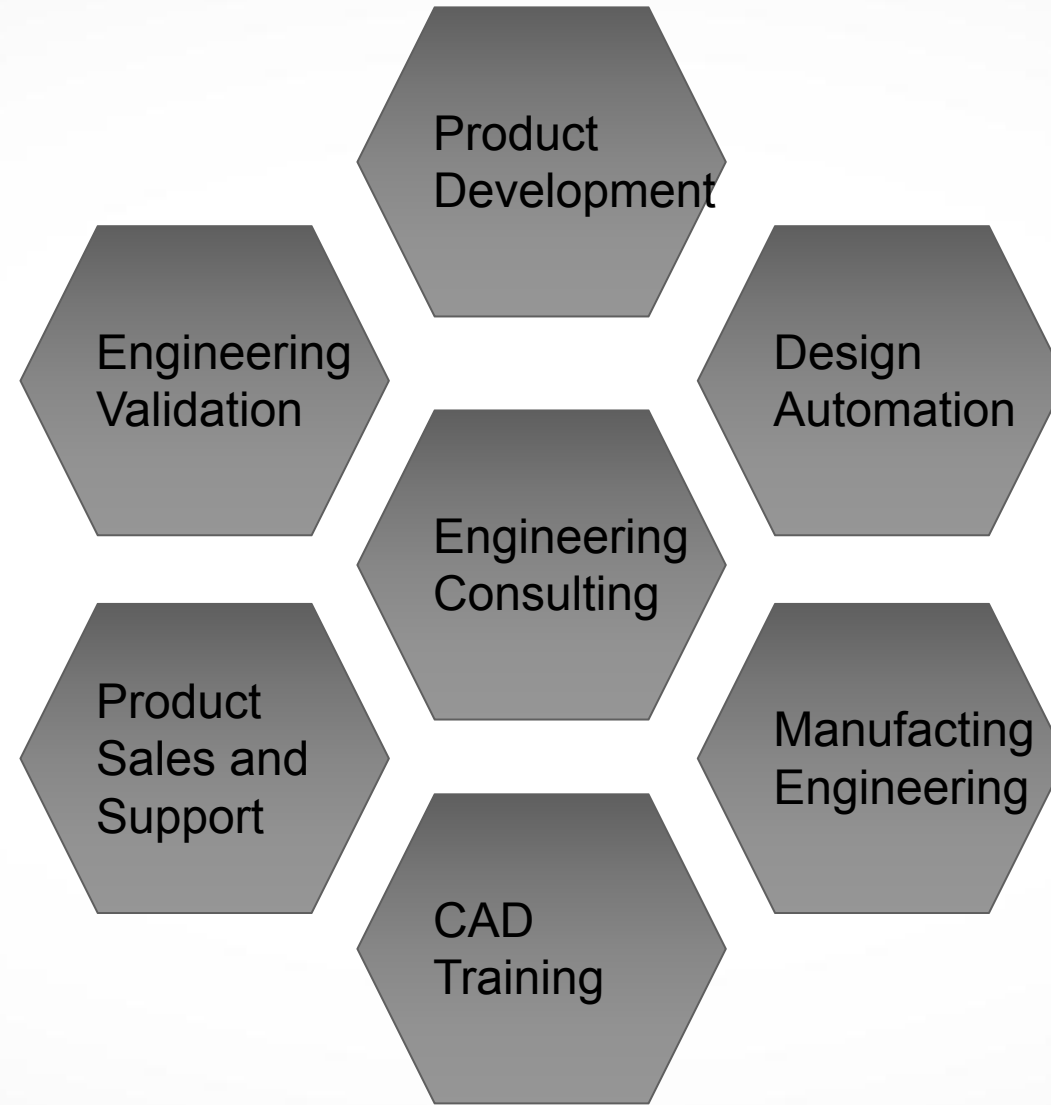


Engineering Solutions



IT Solution

Engineering Consulting Services:



IT Consulting Services:



Web Development

Desktop Application

IT Consulting

Mobile Application

Product
Sales and Support

Tools Expertise:

- Engineering

- CREO
- NX
- Ansys
- AutoCAD
- MATLAB

- IT

- Python
- HTML
- PHP
- VB Script
- Linux





CASE STUDIES

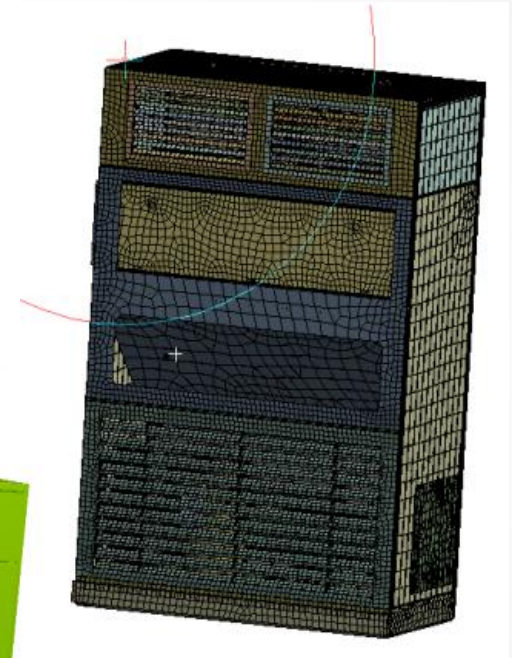
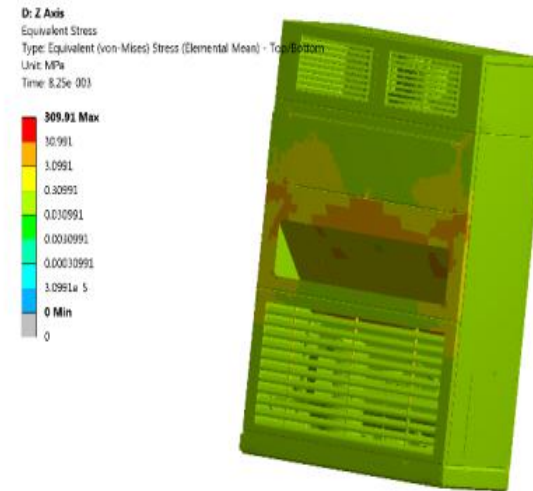
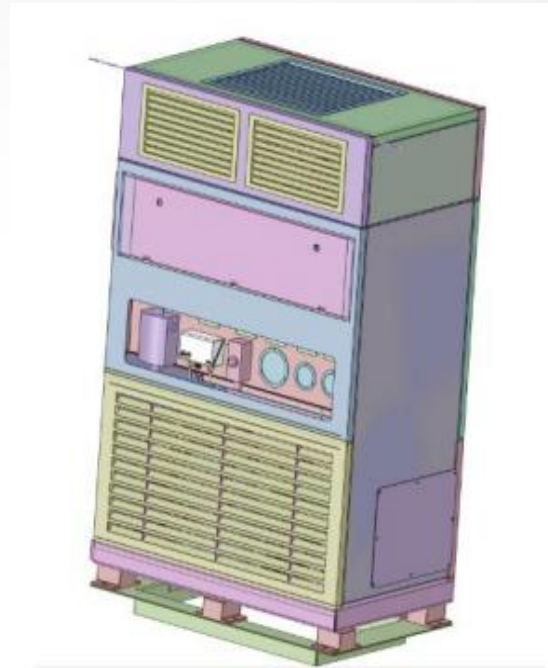
Project: Design and Analysis of SCAC

Methodology:

- Technical specification sheet, GA and PID preparation.
- Equipment Selection
- 3D modeling and material selection
- Modal and structural analysis

Tools Used:

- PTC CREO 3.0
- Ansys 15.0



Project: Modal Analysis of 125TR Chiller

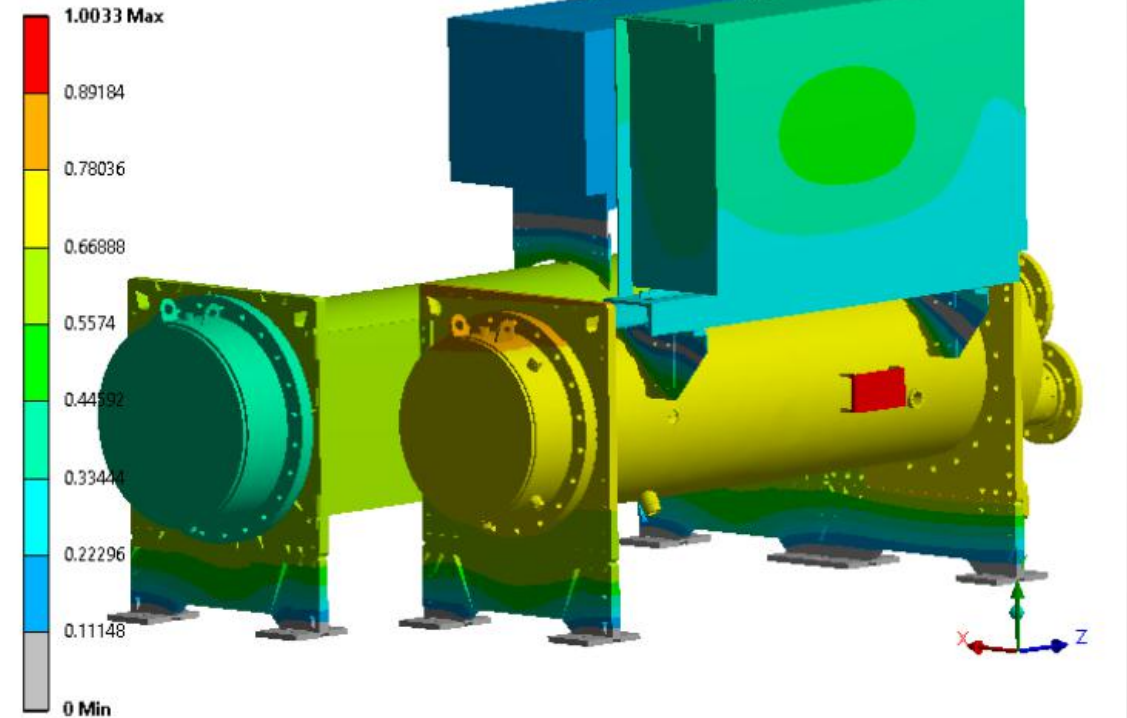
Methodology:

- 3D model Modification.
- Transient Structural Analysis
- Shock and Vibration Analysis
- Report preparation for approval

Tools Used:

- PTC CREO 3.0
- Ansys 15.0

Frequency: 76.616 Hz
Unit: mm



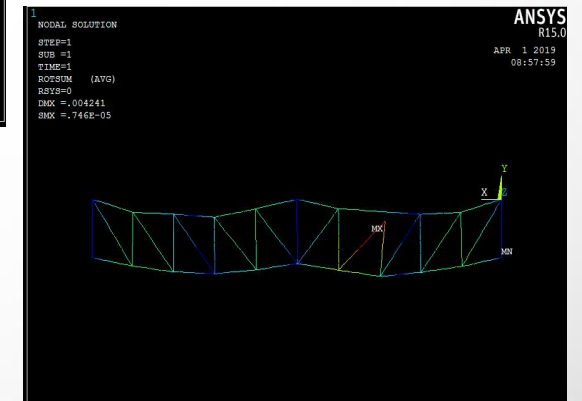
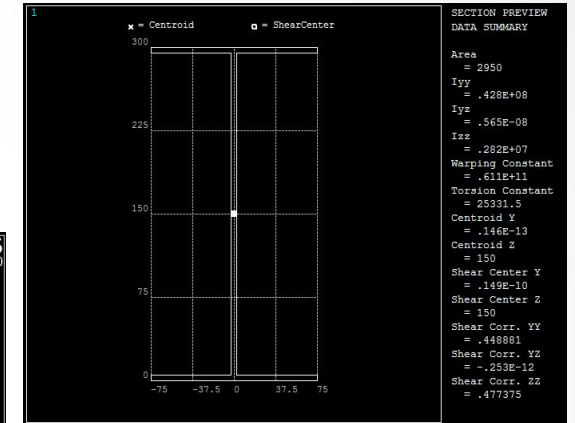
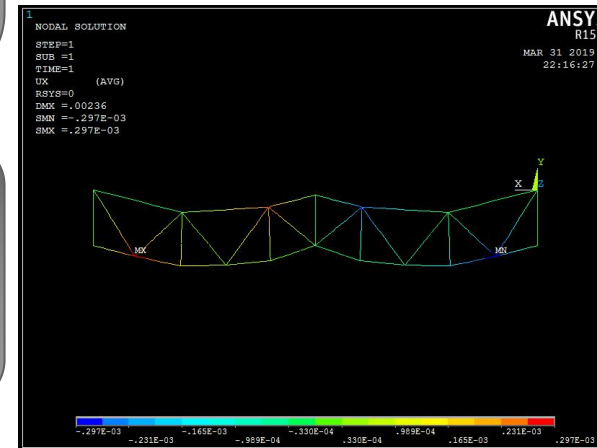
Project: Analysis of Truss Bridge(Conceptual)

Methodology:

- Truss Bridge design.
- Define of Section and Material
- Structural Analysis
- Report preparation

Tools Used:

- Ansys 15.0 Mechanical APDL



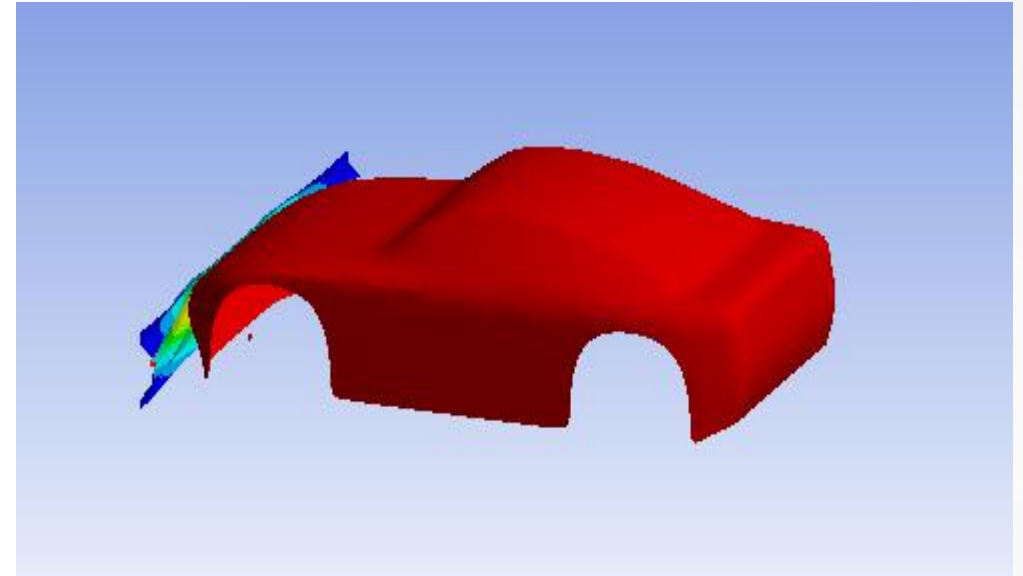
Project: Crash Analysis of Road Barrier

Methodology:

- Design of Road Barrier using sheet metal.
- Import of model with car body(Ford Car)
- Crash Analysis
- Report preparation

Tools Used:

- Ansys 15.0
- PTC CREO 3.0



Project: Design Automation of Boiler

Methodology:

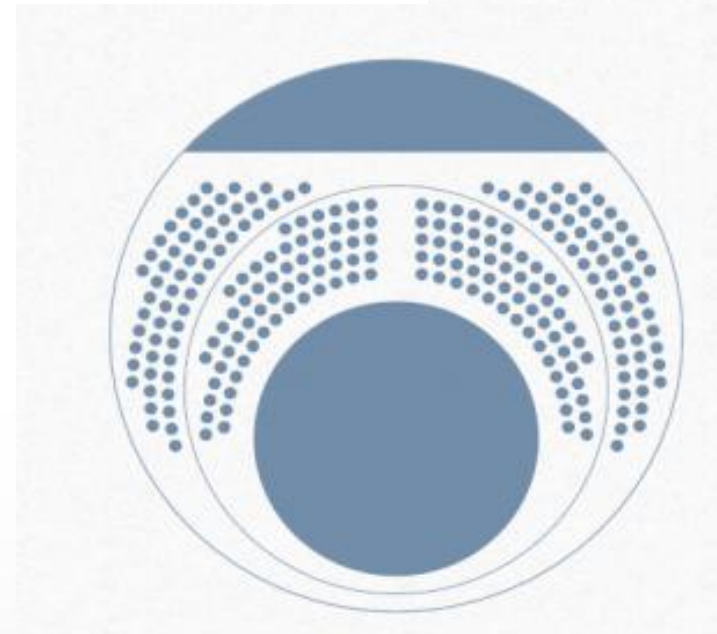
- Calculation using IBR norms.
- Calculation of tube sheet.
- Managing boiler assembly using one sheet.
- Generation of input sheet in CREO.

Tools Used:

- PTC CREO AAX
- PTC CREO 3.0

| | |
|--|-----|
| Total number of tubes in third pass | 114 |
| Third pass number of rows (max 4) | 4 |
| No. of tubes in first row of third pass | 19 |
| No. of tubes in second row of third pass | 17 |
| No. of tubes in third row of third pass | 14 |
| No. of tubes in forth row of third pass | 7 |

| | |
|---|-----|
| Total number of tubes in second pass | 118 |
| Second Pass number of rows (max 5) | 5 |
| No. of tubes in first row of second pass | 14 |
| No. of tubes in second row of second pass | 16 |
| No. of tubes in third row of second pass | 13 |
| No. of tubes in forth row of second pass | 10 |
| No. of tubes in fifth row of second pass | 6 |



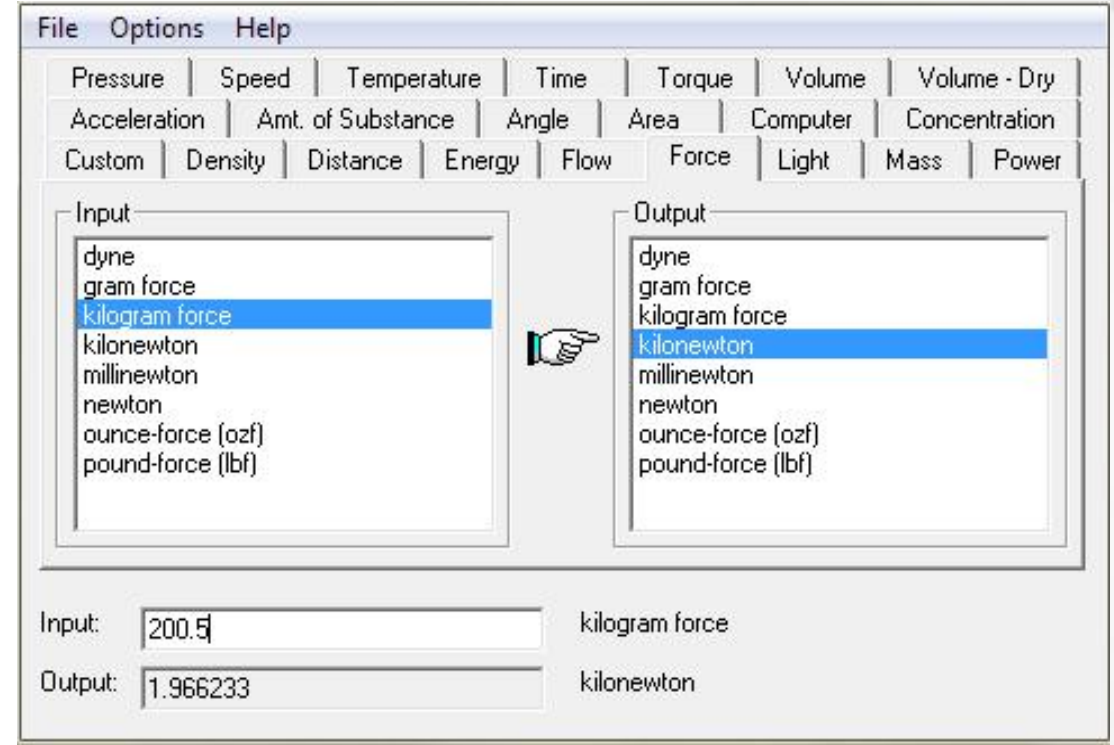
Project: Desktop Application for Unit Converter

Methodology:

- Identification of unit.
- Conversion of unit.
- Building application.
- Testing and Implementation.

Tools Used:

- VB Script.



Contact Details:

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