

1. PROFESSIONAL EXPERIENCES

1.Type –Job

Country - India

Location - Gurgaon

Name of the organization/company - UNO Minda

Type of Activity – Graduate Engineer Trainee

My responsibility as the Export Assembly Zone Manager at Harley Davidson is to enhance overall performance and optimise operations within the export assembly zone.

Using my skills in mechatronics and Value Stream Mapping (VSM), I aim to improve manufacturing line cycle times, increase product quality, and boost efficiency.

Period of activity:

- **From** – 3/07/2023
- **To** – Present

2.Type – Internship

Country -India

Location -Gurgaon

Name of the organization/company – Hero Motocorp Magnetti Marelli Auto Ltd

Type of Activity – Summer Intern

Learned closely about the working of two wheelers , EFI and throttle body. Worked on Simulink to develop various models.

Period of activity:

- **From** – 05/2022
- **To** – 07/2022

3.Type – Internship

Country -India

Location -Dehradun

Name of the organization/company – Schematics Microelectronics

Type of Activity – Electronics Intern

Training on IoT and Embedded Systems

Period of activity:

- **From** – 08/2021
- **To** – 01/2022

2. Please specify which modules you have studied correspond to the following program modules:

*** Mathematical engineering modules:**

Examples

- *Linear algebra*
- *Analysis*
- *Stochastic processes*

- *other modules in mathematics.*

Answer Here:

1. Mathematics I-

1. Calculus
2. Linear Algebra
3. Partial Derivatives
4. Mean Value Theorems
5. Indeterminate Forms
6. Taylor's and Maclaurin's Theorems

2. Mathematics II

1. Advanced Calculus
2. Double Differential Equation
3. Integral Calculus
4. Vector Spaces
5. Laplace Transforms
6. Inverse Laplace Transforms

3. Statistical and Numerical Methods

*** Electrical Engineering Modules:**

Examples

- *Fundamentals of electrical engineering*
- *Power Electronics*
- *Electronics and circuit technology*
- *Electromagnetic field theory*

Answer Here:

1. Basic Electrical Engineering
2. Instrumentation & Control
3. Programmable Logic Controller
4. Power Electronics & Drives

*** Computer Science Modules:**

Examples

- *Fundamentals of algorithms and data structures*

- *Computer communication*
- *Programming (for example C++)*
- *Software engineering*

Answer Here:

1. Programming for Problem Solving
2. HMI
3. Artificial Intelligence
4. Mechatronics System Design