**Report of internship in Endurance technologies limited,**

**From 15th June 2023 to 5th July 2023**

**Submited by*:* miss. Shruti Pandurang Ukirde.(TY undergraduate student)**

**Department of Maintainance and development,**

**Endurance technologies limited,waluj.**

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**Acknowledgement**

I undertook this internship project and completed the internship report under the guidance of Swapnil nawale sir. I am grateful to the staff for their good behaviour during my training at their company. It was a good learning experience for me to work with them on PLC programming and its working in maintainance section.

**Information about the company**

Endurance is a leading auto component manufacturer. They are a complete solutions provider for aluminium die-casting, braking systems, suspension and transmission products. Endurance Technologies is one of India's leading automotive component manufacturing companies**.** It’s products are Aluminium die casting,suspension,transmission and braking systems.

**Information about the internship position**

I joined Endurance company as an intern to learn about PLC working in maintainance section under the department of Electronics and telecommunication.

**Description of the internship experience**

I completed my internship of 20 days at Endurance company under PLC working unit. I introduced to SCADA and HMI along with the working of PLC using software as well as hardware. I learnt about ‘PLC Ladder logic’ i.e. PLC programming using simulator named ‘GX Works2’. The GX Works2 package supports entire engineering such as system design, programming, debug and maintenance. I got some tasks to complete everyday using PLC ladder logic and I really enjoyed learning and performing it.

**Conclusion**

From my internship at Endurance, I was able to get a better understanding of how the manufacturing industry works and how effective it is.Overall, I found the internship experience to be positive, and I am sure I would be able to use the skills I learned in my career later.