EMERGING METHODS FOR EARLY DETECTION OF

FOREST FIRES

OPEN SOURCE FRAMEWORKS

Date	17 November 2022
Team ID	PNT2022TMID03761
Project Name	Emerging Methods for Early Detection of Forest Fires

What is an Open Source Framework?

Software development is a complex process that requires significant time and investment. Many companies have created starter frameworks in an attempt to reduce development time. An **open source** framework is a template for software development this designed by a **social network** of software developers. These frameworks are free for public use and provide the foundation for building a software application.

Using a framework is free. There is no cost to the developer or consumer of a software applications. The open source framework is a set of tools that can be used to create websites, user interfaces and basic software applications. The framework is not a complete system, but rather a device that increases productivity for a development team.

An open source framework is a template for software development that is designed by a social network of software developers.

Using the open source framework community has quickly become a viable option for many businesses. These frameworks are developed by a community of software engineers who are dedicated to modernizing the information technology landscape. The developers in the open source community are not compensated but instead work to support the general population in developing software. These individuals are working to produce better quality, reliability, and flexibility in the area of software development in general.

The primary goal of most open source framework communities is to provide reusable products at a lower cost for developers. These frameworks can then be used by developers to produce software applications. These applications can be created much faster because the framework provides "out of the box" modules to do specific functions.