Ear Landmark Detection

AND

Convex Hull extraction

(GROUP-1)

The software development process model we will be using will be agile for both the web part and as well as the software developing part. In agile processes, The model is incremental development and it is easier to change the process to reflect changing customer requirements.

Agile is an iterative and incremental approach to software development that values the needs and expectations of the stakeholders, working software, and collaboration between customers and self-organizing cross-functional teams. This model is well suited for projects that have rapidly changing requirements, such as ear detection and convex hull extraction, where the customers' needs and expectations may change as the project progresses.

In the Agile model, the development process is divided into small sprints, each sprint being a mini project that focuses on delivering a small, usable, and functional piece of software. This approach allows the development team to adapt to changes in requirements, make adjustments in the development process, and ensure that the end product meets the customers' needs. Additionally, it allows for continuous feedback from customers, which can be incorporated into future sprints to further improve the software.

One of the key principles of the Agile model is the emphasis on collaboration and communication between all stakeholders, including the development team, customers, and end-users. This allows for a continuous exchange of ideas, feedback, and information that helps to ensure that the software is developed in line with the customers' needs and expectations. This collaboration and communication also help to reduce the risk of misunderstandings and help to keep the project on track.

Another advantage of the Agile model is its focus on delivering working software. This approach ensures that the end product is usable, functional, and meets the customers' needs. In addition, the Agile model encourages the development team to focus on delivering high-quality software, as the software is delivered in small pieces that can be tested and validated throughout the development process.

Finally, the Agile model is well suited for ear detection and convex hull extraction projects because it allows for flexibility and adaptability in the development process. As ear detection and convex hull extraction can involve complex algorithms, it is important to be able to make changes to the software as the development process progresses. The Agile model allows the development team to respond quickly to changes in requirements and make adjustments to the development process as needed, ensuring that the end product is of the highest quality.

In conclusion, the Agile software development process model is the best choice for the ear detection and convex hull extraction project as it provides a flexible, collaborative, and iterative approach to software development that is well suited for projects with rapidly changing requirements. The Agile model also allows for continuous feedback from customers, ensuring that the end product meets their needs and expectations.