



**MANTHAN**  
राष्ट्रीय सुरक्षा सर्वोपरि

**Solution By: MAAXIMUS**  
**PSID: INTL-FCD-15**  
**Team Leader Name:**  
**Yashaswi K**





# Idea Introduction



## IDEA TITLE- BASELINE

Tech Stack	Resources	Any Third Party
1.OpenCV 4.5.3	Used	API/Services
2.Keras	1. <a href="#">Kaggle</a>	used:
3.Python3.9	<a href="#">DeepFake</a>	No
	<a href="#">Detection</a>	
	<a href="#">Dataset</a>	



## IDEA-OUTCOME – HEADLINE-

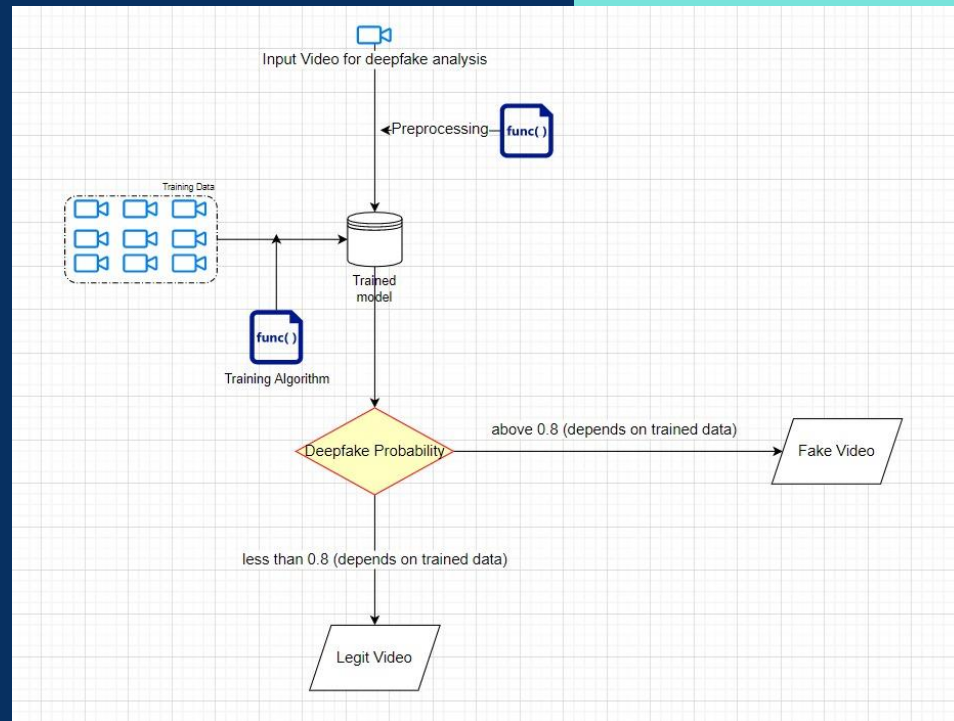
The final outcome of this project is to detect whether the given input video is a deep fake or not. Our project identifies artificially synthesized deep fake content.

# Your Approach Towards Idea



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Azadi Ka  
Amrit Mahotsav



## Our Approach in Brief

Our approach towards idea is to prepare a trained model using suitable algorithm and compare the input video against the trained model and finally predict whether the content is Deep Fake or not.



How you Targeted problem?

We perform feature extraction on the given data and find out key flaws such as blinking of eyes, shape of face at varying angles etc.



What Innovation or feature you added

We added a feature in our application which links targeted social media APIs and identify deep fake content on that social media platform.



# Team Slide



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**Yashaswi K**  
Team Leader



**Akhilesh K**  
Team Member



**Balaji Yaswanth V**  
Team Member



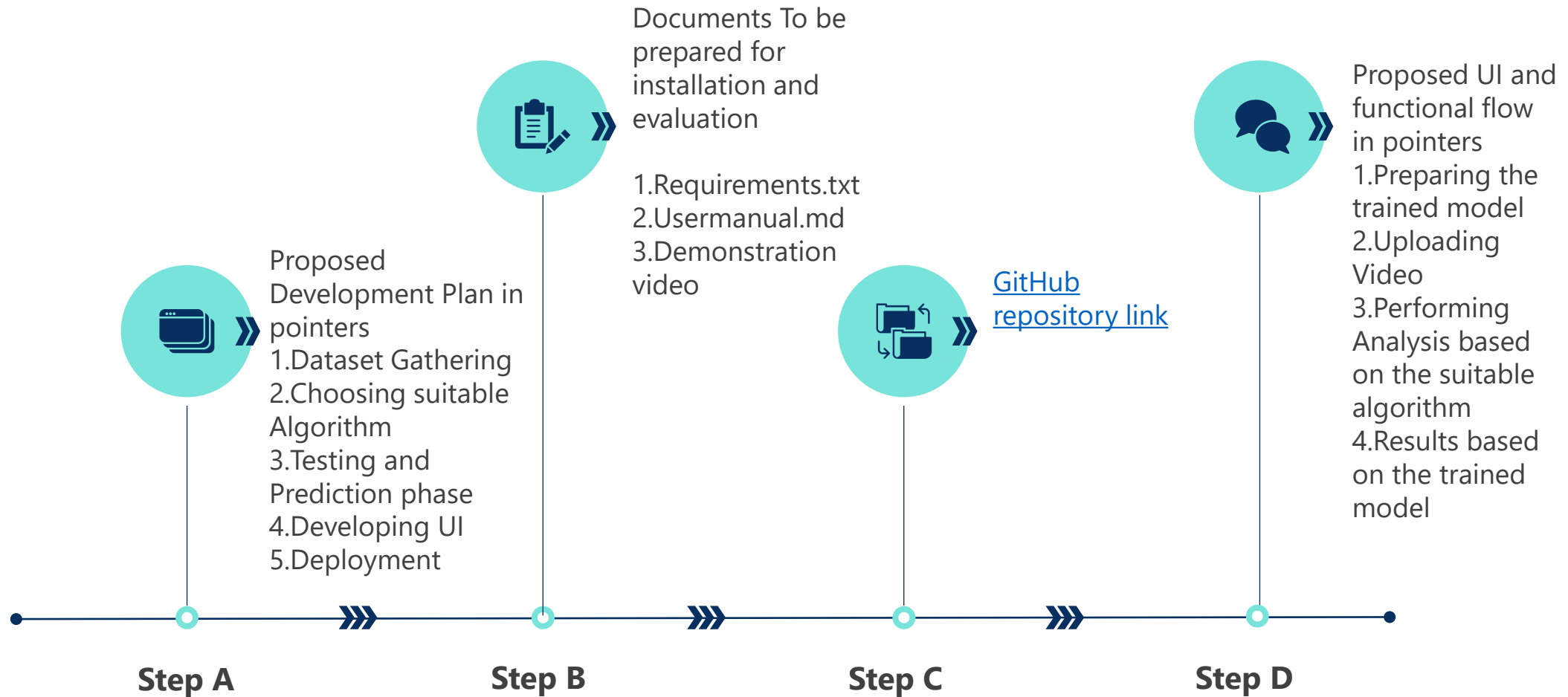
**Shanmuk Rao P**  
Team Member



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# Development Pipeline





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# Vision of Innovation/Idea/Solution

Explain How you developed Idea?

Now-a-days, we come across various problems caused by DeepFake content. It can wreak havoc in the society and result in social unrest. It is harmful and has to be detected immediately. So we decided to build a software which detects whether a video is deep fake or not

How much time it will take in conversion as a final product?

It will take us 5-6 weeks to complete the project.



How you idea is different and innovative form other ideas- a default comparison.

Our idea is to develop a DeepFake detection software which can easily be linked to any social media API and thereby finding the deep fakes on the targeted site.

Any early stage innovation detected while developing the solution..

An early stage innovation was to link this software with a social media API in order to detect deep fake content on that social media website.