

Project Development Phase Model Performance Test

Date	19-11-2022
Team ID	PNT2022TMID34944
Project Name	Emerging Methods For Early Detection of Forest Fires

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot																																										
1.	Model Summary	-	<table><tr><th>Test case ID</th><th>Feature Type</th><th>Test Scenario</th><th>Expected Result</th><th>Actual Result</th><th>Status</th><th>Executed BY</th></tr><tr><td>HP_TC_001</td><td>Image Processing</td><td>Need to check whether the system detect fire in the image.</td><td>The system should detect the fire in the image.</td><td>Working as expected</td><td>PASS</td><td>Advin Prapatha S L Leela Devi S</td></tr><tr><td>HP_TC_002</td><td>Video Processing</td><td>Need to check whether the system detect fire in the video.</td><td>The system should detect the fire in the video.</td><td>Working as expected</td><td>PASS</td><td>Advin Prapatha S L Leela Devi S</td></tr><tr><td>HP_TC_003</td><td>Alerting</td><td>Whether the system alerts after the fire detection.</td><td>After the detection of the fire, it should be alerted.</td><td>Working as expected</td><td>PASS</td><td>Priyashashini D Kavitha S</td></tr><tr><td>HP_TC_004</td><td>Sending Information</td><td>Whether the mail is sent to the authority after the detection.</td><td>An email about the detection of fire should be sent.</td><td>Working as expected</td><td>PASS</td><td>Priyashashini D Kavitha S</td></tr></table>	Test case ID	Feature Type	Test Scenario	Expected Result	Actual Result	Status	Executed BY	HP_TC_001	Image Processing	Need to check whether the system detect fire in the image.	The system should detect the fire in the image.	Working as expected	PASS	Advin Prapatha S L Leela Devi S	HP_TC_002	Video Processing	Need to check whether the system detect fire in the video.	The system should detect the fire in the video.	Working as expected	PASS	Advin Prapatha S L Leela Devi S	HP_TC_003	Alerting	Whether the system alerts after the fire detection.	After the detection of the fire, it should be alerted.	Working as expected	PASS	Priyashashini D Kavitha S	HP_TC_004	Sending Information	Whether the mail is sent to the authority after the detection.	An email about the detection of fire should be sent.	Working as expected	PASS	Priyashashini D Kavitha S							
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2.	Accuracy	Training Accuracy - Validation Accuracy -	<table><tr><th>Resolution</th><th>Severity 1</th><th>Severity 2</th><th>Severity 3</th><th>Severity 4</th><th>Total</th></tr><tr><td>By Design</td><td>1</td><td>1</td><td>0</td><td>0</td><td>2</td></tr><tr><td>Duplicate</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>External</td><td>0</td><td>0</td><td>2</td><td>0</td><td>2</td></tr><tr><td>Fixed</td><td>2</td><td>0</td><td>1</td><td>0</td><td>3</td></tr><tr><td>Won't Fix</td><td>0</td><td>0</td><td>2</td><td>1</td><td>3</td></tr><tr><td>Total</td><td>3</td><td>1</td><td>5</td><td>1</td><td>10</td></tr></table>	Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Total	By Design	1	1	0	0	2	Duplicate	0	0	0	0	0	External	0	0	2	0	2	Fixed	2	0	1	0	3	Won't Fix	0	0	2	1	3	Total	3	1	5	1	10
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3.	Confidence Score (Only Yolo Projects)	Class Detected - Confidence Score -	<table><tr><th>Resolution</th><th>Test cases</th><th>Not Tested</th><th>Fail</th><th>Pass</th></tr><tr><td>User Application</td><td>4</td><td>0</td><td>1</td><td>3</td></tr><tr><td>Image Preprocessing</td><td>5</td><td>0</td><td>0</td><td>5</td></tr><tr><td>Video processing</td><td>3</td><td>0</td><td>2</td><td>1</td></tr><tr><td>Alerting</td><td>2</td><td>0</td><td>0</td><td>2</td></tr><tr><td>Sending Information</td><td>3</td><td>0</td><td>1</td><td>2</td></tr></table>	Resolution	Test cases	Not Tested	Fail	Pass	User Application	4	0	1	3	Image Preprocessing	5	0	0	5	Video processing	3	0	2	1	Alerting	2	0	0	2	Sending Information	3	0	1	2												
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