Blur Image Detection

Minutes of Meeting

Date: 10/08/2022

Agenda of Meeting: Introduction of intern and Kofax mobile team

Key-points Discussed:

1) Project done by Intern in the previous semester or by their own
2) Skills required for working on Blur detection project.
3) Flow of project and What company required.

Plan of Action:

Sr. No.	Task	Owner	Date
1)	Study about Blur detection using different technical papers,youtube or google.	Everyone	17/08/2022
2)	Find different algorithm on blur detection with their accuracy	Everyone	17/08/2022

Attendees:

Sr. No.	Name	Designation
1	Rajesh Nagwekar	External Mentor
2	Durgaprasad Rapireddy	External Mentor
3	Sivasankar Yathirajula	External Mentor
4	Srikanth Vanipenta	External Mentor
5	Satyam Shah	Intern
6	Moiz Rajkotwala	Intern
7	Yatish Pant	Intern
8	Aryan Nandu	Intern

Date: 17/08/2022

Agenda of Meeting: Discussion about blur detection and its algorithm .

Key-points Discussed:

1) What is blur detection ,its type and how can we detect it.
2) On what factor blur detection depends and how it changes according to image.
3) Survey on different algorithms to detect blur detection.
4) Demonstrated working of the Laplacian algorithm.

Plan of Action:

Sr. No.	Task	Owner	Date
1)	Detailed study on Blur detection using different technical papers,youtube or google.	Satyam , Aryan	24/08/2022
2)	Find alternative algorithms on blur detection .	Moiz , Yatish	24/08/2022

Attendees:

Sr. No.	Name	Designation
1	Rajesh Nagwekar	External Mentor
2	Durgaprasad Rapireddy	External Mentor
3	Sivasankar Yathirajula	External Mentor
4	Srikanth Vanipenta	External Mentor
5	Shahzia Sayyad	Internal Mentor
6	Satyam Shah	Intern
7	Moiz Rajkotwala	Intern
8	Yatish Pant	Intern
9	Aryan Nandu	Intern

Date: 24/08/2022

Agenda of Meeting: Discussion on algorithm implementation and their accuracy.

Key-points Discussed:

1) Working of algorithms like Fast fourier transform (FFT) and Haar Wavelet.

2) What method is used by the algorithm to detect blur detection.

3) We discuss the method and approaches to increase the accuracy for the above mention algorithm

Plan of Action:

Sr. No.	Task	Owner	Date
1)	Find more algorithms for implementation for blur detection which has high accuracy and comparison between them in graph form.	Satyam , Aryan	14/09/2022
2)	Create image dataset for model for blur detection	Everyone	14/09/2022

Attendees:

Sr. No.	Name	Designation
1	Rajesh Nagwekar	External Mentor
2	Durgaprasad Rapireddy	External Mentor
3	Sivasankar Yathirajula	External Mentor
4	Srikanth Vanipenta	External Mentor
5	Satyam Shah	Intern
6	Moiz Rajkotwala	Intern
7	Yatish Pant	Intern
8	Aryan Nandu	Intern

Date: 14/09/2022

Agenda of Meeting: Discussion on implementation of algorithm and image dataset created.

Key-points Discussed:

1) Give a comparative analysis of the above-mentioned algorithm in the graph form.

2) Understand the data requirement of the problem.

3) Create Image dataset and gather data from the internet.

Plan of Action:

Sr. No.	Task	Owner	Date
1)	Examine the algorithm's accuracy when varying the blur factor.	Moiz ,Yatish	21/09/2022
2)	Create more image dataset for model.	Everyone	21/09/2022

Attendees:

Sr. No.	Name	Designation
1	Shahzia Sayyad	Internal Mentor
2	Durgaprasad Rapireddy	External Mentor
3	Sivasankar Yathirajula	External Mentor
4	Srikanth Vanipenta	External Mentor
5	Satyam Shah	Intern
6	Moiz Rajkotwala	Intern
7	Yatish Pant	Intern
8	Aryan Nandu	Intern
9	Shreeshail Devmane	Intern

Date: 21/09/2022

Agenda of Meeting: Discussion on accuracy of algorithm implemented and basic of CNN

Key-points Discussed:

1) Accuracy of different algorithm with different blur factor

2) Does the change of blur factor affect the accuracy.

2) Plan to work on CNN

Plan of Action:

Sr. No.	Task	Owner	Date
1)	Study on CNN and its working	Satyam,Aryan, Shreehail	23/09/2022

Attendees:

Sr. No.	Name	Designation
1	Rajesh Nagwekar	External Mentor
2	Durgaprasad Rapireddy	External Mentor
3	Sivasankar Yathirajula	External Mentor
4	Srikanth Vanipenta	External Mentor
5	Satyam Shah	Intern
6	Moiz Rajkotwala	Intern
7	Yatish Pant	Intern
8	Aryan Nandu	Intern
9	Shreeshail Devmane	Intern

Date: 23/09/2022

Agenda of Meeting: Discussion on CNN(Theory)

Key-points Discussed:

1) What are the different types of CNN and how does it work.

2) What are CNN's several levels and how do they work.

3) Explaining CNN with examples.

Plan of Action:

Sr. No.	Task	Owner	Date
1)	Study on CNN	Satyam,Aryan, Shreehail	28/09/2022
2)	Find different algorithm or code to implement CNN	Moiz ,Yatish	28/09/2022

Attendees:

Sr. No.	Name	Designation
1	Rajesh Nagwekar	External Mentor
2	Durgaprasad Rapireddy	External Mentor
3	Sivasankar Yathirajula	External Mentor
4	Srikanth Vanipenta	External Mentor
5	Satyam Shah	Intern
6	Moiz Rajkotwala	Intern
7	Yatish Pant	Intern
8	Aryan Nandu	Intern
9	Shreeshail Devmane	Intern

Date: 28/09/2022

Agenda of Meeting: Discussion on CNN working(code) and dataset

Key-points Discussed:

1) How CNN is Implemented and detail working of CNN

2) Accuracy of CNN compared to normal blur detection algorithm.

3) Basic discussion on RCNN

Plan of Action:

Sr. No.	Task	Owner	Date
1)	Study on CNN and RCNN	Shreehail	14/09/2022
2)	Trained the CNN model to increase accuracy	Moiz,Yatish,Satyam, Aryan	14/09/2022

Attendees:

Sr. No.	Name	Designation
1	Rajesh Nagwekar	External Mentor
2	Durgaprasad Rapireddy	External Mentor
3	Sivasankar Yathirajula	External Mentor
4	Srikanth Vanipenta	External Mentor
5	Satyam Shah	Intern
6	Moiz Rajkotwala	Intern
7	Yatish Pant	Intern
8	Aryan Nandu	Intern
5	Shreeshail Devmane	Intern