CROWD COMPUTING USING CNN

Subject: Minor Project - II (IT 442)

INFORMATION AND TECHNOLOGY DEPARTMENT

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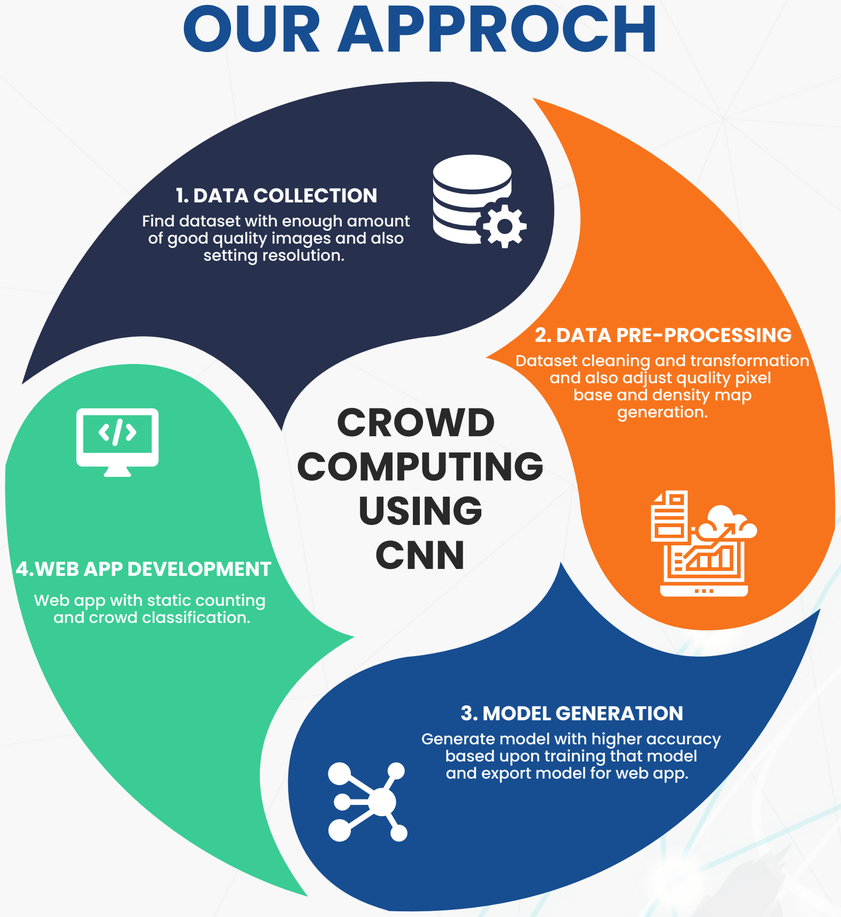
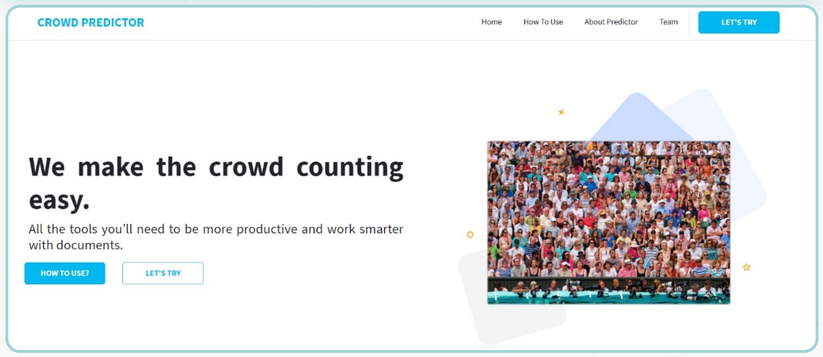
Abstract

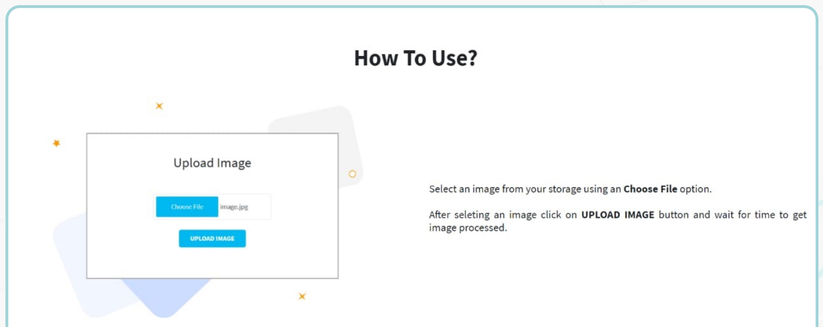
- The proposed system is developed for situations where emergency evacuations are required such as fire outbreaks, calamitous events, etc. and making informed decisions on the basis of the number of people such as food, water, detecting congestion, etc.
- This poster presents the development of crowd counting model using CNN. This model has wide feasibility like image size and colour and resolutions and it is also work with great accuracy.

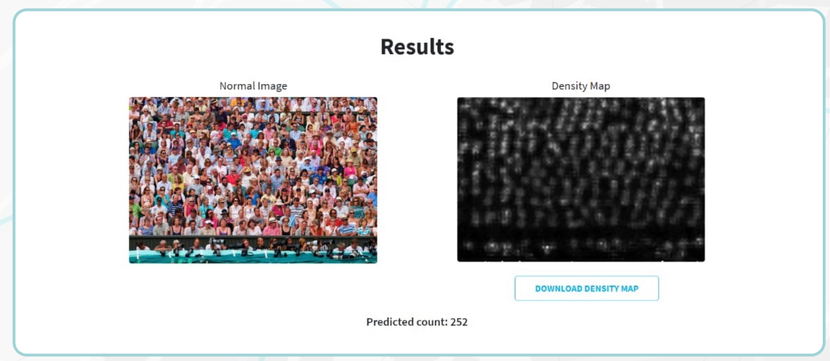
OUR APPROCH



Workdone







Applications

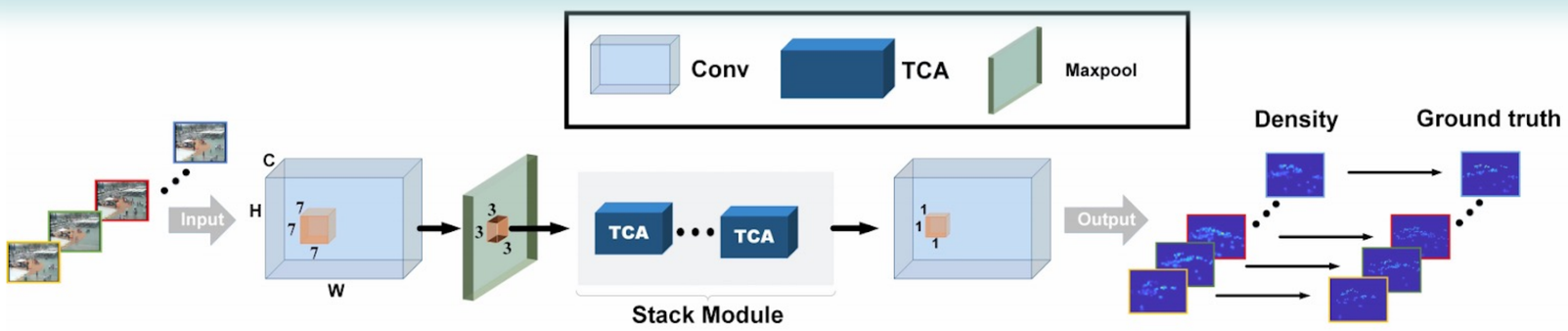
Conclusion

- The proposed system performs admirably in situations where manual counting is simply not possible. Deep learning also enables the system to perform in versatile environments and continuously learn from new inputs.

Future Work

- The project is flexible in terms of expansion and can be expanded to trace or study the movement of the crowds which could be helpful in managing riots, rallies etc.

Network Architecture



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