

A
MINI PROJECT REPORT
ON
IMAGE FILTERS

SUBMITTED

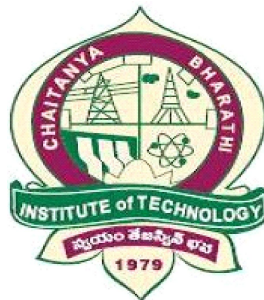
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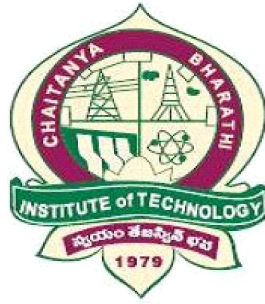


DEPARTMENT OF INFORMATION TECHNOLOGY
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY[A]

(Affiliated to Osmania University, Autonomous under UGC, Accredited by NBA (AICTE) and
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CERTIFICATE

This is to certify that the project work entitled “**IMAGE FILTERS**” submitted to **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**, in partial fulfillment of the requirements for the award of the completion of Second year 1st semester of B.E in information technology, during the academic year 2016, is a record of original work done by **VASUDEVA.G (160115737058)** and **SHAIK ABDUL MATHEEN(160115737052)** during the period of study in the Dept. of IT, CBIT, HYDERABAD, under our supervision and guidance.

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I would like to express my gratitude to our guide **A.SIRISHA , Assistant Professor , Dept of IT , C.B.I.T.,** for her kind cooperation and encouragement which help me in completion of this project.

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DECLARATION

We declare that the project report entitled “**IMAGE FILTERS**” is being submitted by us in the Department of Information Technology, Chaitanya Bharathi Institute of Technology, Osmania University.

This is record of bonafide work carried out by us under the guidance and supervision of **A.SIRISHA, Assistant Professor, Dept of IT, C.B.I.T.**

No part of the thesis copied from books/journals/internet and wherever the portion is taken, the same has been duly referred in the text. The reported are based on the project work doing entirely by us and not copied from any other source.

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IMAGE FILTERS

ABSTRACT:

The use of image filters now a days has become a very popular thing because of the social media apps that are being used by the present day world. Irrespective of their ages, everyone person wants to look cool in the social media. So, we are coming up with the idea of image filters which is trending in the present day world. A social media without its own image filters is absolutely worthless using it. We're coming up with an interface where the user can edit their pictures with filters provided by us. In this project we present a number of coordinate logic filters (CL) for image processing applications. The CL filters execute coordinate logic operations among the pixels of the image. They are very efficient in various image processing applications such as lowpass and highpass filtering, magnification, opening, closing, saving. They may be seen as multi-binary morphological kind of filters and they can be easily and fast implemented.

LANGUAGES USED: PYTHON

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