## Preface-

Throughout tracking the return on investment on this project our group has concluded that it is advantageous and profitable for Marist to back the development of this project. There are many benefits for Marist College that come from this Capstone project course.

The benefits about having this course mandatory for seniors to graduate include the following: Marist College is receiving payment for credits by students to develop this application. A Marist student pays $634 per credit hour and this is a four credit course. There are 26 people in our section and our group is assuming that the 3 sections are broken up evenly.

$634 per credit hr x 4 credits x 26 people in a section x 3 sections = **$197,808**

Marist College is roughly receiving **$197,808** from this course and receiving an application that they need to make admissions more productive when it comes to looking up transfer student credits.

## Transfer Course Look-ups-

Currently, admissions has 5 personnel that perform 10 credit reviews each for DCC, and 90 reviews each from other colleges for a total of 100 reviews per person. Each of these reviews takes 30 minutes each.

5 people x 90 reviews + 10 DCC reviews x 30 minutes (.5 hours) = **250 hours** of time spent on look-ups.

If these reviews were not being done manually, then they could potentially be able to do 250 look-ups for DCC and 2500 reviews for other colleges a year.

250 DCC look-ups + 2500 other college look-ups = **2275 look-ups**.

This beats the:

5 people x 10 DCC look-ups + 90 look-ups = **500 look-ups** that need to be done by hand and it saves

2275 look-ups x 30 mins = **1137.5 hours** saved with an increase in the amount of look-ups by 4.5 times.

2275 number of look-ups / 500 previous number of look-ups = **4.5 times**

## Hours of production-

Here is the production cost measured in hours that we put in of our time to produce this product:

Each class is 2.5 hours and our group meets 2 times a week for roughly 1.5 hours and we have 16 weeks/ class meetings.

2.5 hours a class x 2 meetings a week x 1.5 hours x 16 weeks x 5 people in our group = **600 hours** total that our group will spend on this project. This does not include the amount of time that we work on this project outside of class and during our meeting. Also, this doesn’t take into account if someone misses a meeting or class.

## ROI-

ROI(%) = (Gain-Investment)\*100 / Investment

(1137.5 saved hours – 600 hours) x 100 / 600 = **89.58%**

## BEP-

The BEP is on the 300th look-up.

600 hours of development x .5 hours saved per look-up = **300**

And since there is an estimate that there will be 2275 look-ups a year with the implementation of the application then 300 lookups (ROI) / 2275 projected look-ups = **13%**

## Conclusion-

I conclude that this application will be a huge benefit for the efficiency to the people in admissions to do class look-ups for prospective transfer students. Marist is guaranteed to get their ROI and BEP in the first year. Marist also is not really investing anything into the project by having a mandatory course where student create the end result. Marist is actually turning a profit with minimal investment because they are receiving money from students to take this course and the College is benefiting from the free labor. In the end Marist is receiving roughly **$197,808** off of this Capstone Project Course and by having students develop this application Marist will be saving **1137.5 hours** of work by the admissions staff and the College will gain **2275 look-ups** of interested transfer students a year.