Estimates

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# Estimated Project Cost

## Estimated I + D



### Personnel

### Execution

### Complementary

## Flow Table



Taking all the calculations shown in the I+D estimate we developed the flow table. In the flow table we divided the total cost of our workforce and steadily decided to spread it during unit of development time. Additionally, most purchased goods and equipment was added in month 0 of the development cycle since these items will be needed for the development of the project. Furthermore, we plan on separating the personel training of our company in 2, the first bulk being before the software development is started and the second bulk before the final tasks are needed to be realized.

We will also be utilizing a half way pay system, where the project will receive 43.75% of the projects total cost at its halfway point, in order to fully be able to pay for the development of the project and the rest of the pay at the end.



We developed to 2 VAN calculations, each with a different loan and interest rate on this loan. We calculated that an 11% interest rate each quarter would make the project viable, while a 4% interest rate every semester would make it not viable. After calculating the VAN, we calculated the TIR of our sequence and discovered that our project would give us a 11% internal return.

## Sources

* <https://www.indeed.es/salaries/analista-de-sistema-Salaries>
* <https://www.daxx.com/blog/development-trends/it-salaries-software-developer-trends-2019#:~:targetText=Software%20Engineer%20Salaries%20in%20Europe%2C%20February%202019&targetText=French%2C%20Finnish%2C%20and%20Dutch%20developers,to%20%2455K%20per%20year>.
* <https://www.glassdoor.es/Sueldos/visual-designer-sueldo-SRCH_KO0,15.htm?countryRedirect=true>
* <https://www.google.com/search?rlz=1C1CHBF_esES822ES822&biw=1919&bih=959&ei=-cLFXYyBDsv4aIyzgpAP&q=software+documentation+salary&oq=software+documentation+salary&gs_l=psy-ab.3..0i30.2365.3921..4023...0.0..0.101.818.8j1......0....1..gws-wiz.......0i7i30i19j0i19j0i8i7i30i19j0i13i30i19j0i13i5i30i19j0i7i30.8HAqn6c06bw&ved=0ahUKEwjM4b3SrdvlAhVLPBoKHYyZAPIQ4dUDCAs&uact=5>
* <https://www.macnificos.com/qnap-tvs-951x-servidor-nas?gclid=EAIaIQobChMI3L2kkp7R5QIVB_hRCh2NHAl_EAYYBCABEgJP7_D_BwE#sku-QNA0297>
* <https://www.google.com/search?rlz=1C1CHBD_esES870ES870&ei=zG7AXa-rOJClUqWrtogB&q=salario+transportista&oq=salario+transportista&gs_l=psy-ab.3..0j0i30l2j0i8i30l6.3385.4344..4456...0.1..0.106.745.8j1......0....1..gws-wiz.......0i71j0i13j0i13i30j0i8i13i30.jfkqw3BniIg&ved=0ahUKEwivwbnVmNHlAhWQkhQKHaWVDREQ4dUDCAs&uact=5>