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| **System** | Identification of active contours | | | |
| **Aim** | Identify the background and foreground in a video, determining the distance of the observer and the foreground. | | | |
| **Means** | the raspberry p3 hardware integrated with cameras will be used and controlled by the python language to obtain data | | | |
| **Scope** | As a result, a binary matrix is ​​obtained with the identification of an element of the context | | | |
| **Num. Inf** | 1 | **Date of filling (dd/mm/yy)** | | 07/03/2018 |
| **Description** | | | | |
| Description of the flow diagram model for the identification of the active contour, as input you get 2 outputs, the output of the main and the output of the opimizer | | | | |
| **Products** | | | | |
| **Id** | **Description** | | **Evidence** | |
| 0 | planning of times, costs, work methodologies, hardware, and software used to carry out the work | | Conization of a Raspberry Pi 3 Modelo B -1.2 Ghz 1gb - Wifi - Bluetooth by a value of 155,000 pesos. it was also agreed to carry out the development work collaboratively through the github platform, it was determined to develop the software in the python language | |
| 1 | Definition of a workspace, which will be done through a file shared on github. | | The IDECON repository was created for the realization of collaborative work, where the development and documentation will be uploaded. | |
| 2 | Collection of documentation and bibliography for research and compilation | |  | |
| 3 | creation of the flow diagram.  Steps:  1. definition of the input variables.  2. video reading fragmented to frames.  3. comparison of video frames with the optimized matrix  4. Identification of the foreground  5. determination of the distance and direction of the object.  6. output variables | |  | |
| **Bibliography** | | | | |
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