

Software R&D - #Training 14693: GStreamer plugin development - Logo plugin

Status:	In Progress	Priority:	Normal
Author:	Sunil Vaghela	Category:	
Created on:	17 Oct 2023 12:16 PM	Assignee:	Rakesh Konathala
Updated on:	17 Oct 2023 01:02 PM	Finish date:	16 Nov 2023
Description:	<p>**Objective:**</p> <p>Develop a GStreamer plugin that imposes a logo onto a video stream in NV12 format while supporting a maximum resolution of 1080p and 60 fps. The plugin will also offer animation options, allowing the user to rotate the logo clockwise or counterclockwise and scroll the logo vertically or horizontally at variable speeds.</p> <p>**Phase-1:**</p> <p>Develop a GStreamer plugin that imposes a logo onto a video stream in NV12 format while supporting a maximum resolution of 1080p and 60 fps. Provide an option for the user to specify the location of the PNG logo file on the local file system. Allow the user to specify the coordinates for placing the logo on the video frame.</p> <p>The plugin should also offer below animation option: Provide options for clockwise and counterclockwise rotation. Allow the user to set the rotation speed as '&#39;slow,&#39; &#39;medium,&#39; &#39;fast,&#39; or with any other relevant arguments.</p> <p>**Phase-2:**</p> <p>Add alpha blending support: plugin imposes the logo with transparency. Transparency level should be user configurable.</p> <p>Add below additional option in animation: Support scrolling of the logo in both horizontal and vertical directions. Allow the user to specify the direction (up, down, left, right).</p> <p>\-----</p> <p>Guideline:</p> <ul style="list-style-type: none">* Use Git(hub) to publish code and documentation* Daily log your work with details and hours in this task		

History

17 Oct 2023 12:16 PM - Sunil Vaghela

- Parent deleted (Vinay Kesarwani: Multimedia Trainings)

17 Oct 2023 12:16 PM - Sunil Vaghela

- Parent set to Rakesh Konathala: Multimedia Ramp-up & Trainings

17 Oct 2023 01:02 PM - Rakesh Konathala

- Status changed from New
to In Progress