

Project Id/No	<b>11602</b>	
Project Name	Processing of Fluorescence Spectra of chemicals using machine learning algorithms	
Project Members	Aditya Sharma (11602)	
Abstract	<p>Laser-induced fluorescence(LIF) spectroscopy is a technique widely used to study the structure of molecules, detection of selective species, flow visualisation and measurements. It's also used to identify pure fluids/mixtures by using the unique spectrum emitted by them. This identification can be done manually, which would be prone to human error or via custom software which is prone to false alarm. This project is intended towards automation and improvement of the processing of LIF spectra of chemicals by applying machine learning algorithms and providing a user-friendly GUI for the same. This is something that can prove crucial in many industries that require segregation of fluids/chemicals, identification of inflammable substances etc.</p>	
Project Photo		