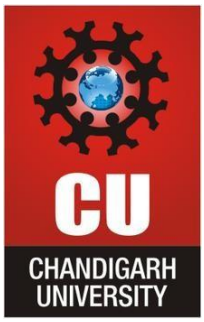
CourseName: Computer Vision Lab **Course Code:** CSP-422

CHANDIGARH UNIVERSITY

UNIVERSITY INSTITUTE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Submitted By: Vivek Kumar(21BCS8129)	**Submitted To:** Er. Sandeep Kaur(E3095)
Subject Name	Computer Vision Lab
Subject Code	20CSP-422
Branch	Computer Science and Engineering
Semester	7^{th}

CourseName: Computer Vision Lab **Course Code:** CSP-422

INDEX

Ex. No	List of Experiments	Conduct (MM: 12)	Viva (MM: 10)	Record (MM: 8)	Total (MM: 30)	Remarks/ Signature
1.1	Write a program to implement various feature extraction techniques for image classification.					
1.2	Write a program to assess various feature matching algorithms for object recognition.					
1.3	Write a program to analyze the impact of refining feature detection for image segmentation.					
1.4	Write a program to evaluate the efficacy of human-guided control point selection for image alignment.					
2.1	Write a program to compare the performance of different classification models in image recognition.					
2.2	Write a program to interpret the effectiveness of Bag of Features in enhancing image classification performance.					
2.3	Write a program to analyze various object detection algorithms with machine learning.					
3.1	Write a program to determine the effectiveness of incorporating optical flow analysis into object tracking algorithms.					
3.2	Write a program to examine the performance of various pretrained deep learning models for real-time object tracking tasks.					
3.3	Write a program to interpret the effectiveness of template matching techniques for video stabilization tasks.					