# COMP 9517 Computer Vision S1, 2018
# Group Project
# Project Synopsis

The project consists of **two stages**, with checkpoints built in to enable you to manage the project and the deliverables.

The project will be executed by a **three-person team**. The very first thing to do is to pick your project team members and **register your group ONLINE by FRIDAY week 7**; one registration per group is sufficient. Instructions for team registration will be made available in due course.

**What you should do as a group**

Pick a computer vision application that your group will explore and build, based on the topics you are studying in the course. The goal is to specify, design, implement and test an end-to-end vision application, whose inputs are images / videos, and the output is a useful and interesting application in any domain, achieved as an outcome of processing the images / videos based on computer vision techniques and algorithms.

Your team should propose ONE direction of work, do the necessary literature survey on techniques and algorithms, implement and test them, and write a detailed report.

Your team is encouraged to do its own research and decide on a line of development. Use the class forum and the consultation hours to discuss project directions and obtain feedback. **You will also get an opportunity in week 7 lecture hour (AFTER the class test) to discuss project ideas with other students and tutors.**

You should also find suitable datasets to work with. The week 8 presentation (see checkpoints below) will provide an opportunity to get feedback on your chosen direction.

You will **demo your program as a team** on your chosen datasets in week 13 and **submit a single group report** that explains your approach and evaluation results.

Specifications for the checkpoints will be released closer to the specific deadlines.

**POSSIBLE DIRECTIONS**

A shortlist of top projects from the class in previous years as well as some special projects for this year are being separately posted.
If you wish to work on the special projects, contact the email provided.

**CHECKPOINTS**

The checkpoints include:

- Project and Group Registration, **Friday week 7**

- Interim Project Presentation and short report submission, **Thursday week 8**
- Project Demo, **Thursday week 13**
- Project Report, submitted on **Friday week 13**

The project is worth **30%** of the total course marks.

**REPORTS**

All reports should be in two column IEEE format (https://www.ieee.org/conferences/publishing/templates.html ).

Page limits will be specified closer to the submission deadlines. Marks will be deducted for poor formatting.

**CODE SUBMISSION**

Even though not directly assessable, it is a requirement that final code should be submitted at session end.



**13.04.2018**