Project Description

1. Data Acquisition

a. Will you reduce noise or do any data enhancement?

2. Feature Extraction

a. What features will you use and why?

b. Will you use feature-level fusion? If so, what method will you use to fuse your features?

c. Do you plan to use feature selection? If so, explain the method you will use.

3. Matching

a. What matcher will you use?

b. Will you use machine learning or a distance measure?

c. Which machine learning algorithm or distance measure will you

use? Why?

d. Will you use score-level fusion?

4. Decision

a. Will you use decision-level fusion?

5. Why did you choose this project, how was it motivated by Part I, and

what do you expect to gain from carrying it out?

6. How might this project address a current challenge?

When devising your project plan, keep in mind the following requirements (and note your selections in the write-up):

• You MUST use two or more of the following techniques:

a. Data enhancement / noise reduction

b. Feature selection

c. Machine learning

d. Multiple biometrics

e. Feature-level fusion

f. Score-level fusion

g. Decision-level fusion

• In addition to your two choices, you must also experiment with one independent variable; the dependent variables are your