CS473 Fall 2005: Practicum in Artificial Intelligence
Project Proposals

Due Date: **Beginning of class, Wednesday September 21, 2005**

We strongly urge you to discuss your project with your assigned TA (you will be emailed your assigned TA) BEFORE finalizing your project proposal. The TA will be able to help you write a better proposal and will be an invaluable resource in helping to guide your project along.

The proposal should contain the following sections:

1. *The Team.* Names of the people working on the project. We suggest working in groups about three, but can be convinced otherwise if you have a good reason. If you can't find a group, email the TAs and we will assign you to a group.

2. *Statement of the Problem/Task.* A statement of the problem, issue, or task that you're interested in studying.

3. *I/O Behavior.* A clear, concise description of what the final system will do in terms of I/O behavior.

4. *Background Reading.* A list of relevant readings that you'll use to gain some background in your selected topic. For each reading you should include either the title and URL, and authors if known (if its a web page) or the authors, title, journal or conference name and year of publication (if it is an academic paper).

5. *General Approach.* A high-level description of the general approach you'll use (e.g. heuristic search, learning, rules, belief networks).

6. *Evaluation Plans.* An explicit, coherent plan for quantitatively and/or qualitatively evaluating the system. Try to be as precise as possible: if testing will rely on human judgments, who will those people be and why are their judgments good? If testing will use some dataset, why is that dataset appropriate?

7. *Schedule.* A schedule of work indicating the dates by which you plan to complete components of the system. Note the dates the status reports

and the final project report is due on the course website. Try to be fairly specific, as you'll need to evaluate yourself against this schedule when writing your status reports.

The proposal should not be more than **two pages** in length (just one page is fine too).