

Robotics Research Technology and Methods (RRTM)

Assignment 2 – Research Proposal

You should write a proposal for your dissertation project including the following **mandatory sections**:

- **Aims and Objectives**: define the *scope* of your project
- **Motivation**: establish the *need* for your project
- **Literature Review**: evaluate the *relevant state-of-the-art*
- **Impact Assessment**: consider potential *social, environmental, economic, political, legal or ethical* implications
- **Risk Register**: *identify* and *manage* *programmatic risks*
- **Timeline**: a *chart* dividing your project into a set of *subtasks* with time allocations

Further details on each section will be provided in Research Methods lectures.

Your proposal ***must be written in LaTeX*** and should occupy ***no more than 12 sides of A4*** with ***at least 2cm margins all round*** and using fonts ***no smaller than 11pt*** in size.

You will be assessed on each section ***and on the overall consistency of your proposal***. For example, if your timeline is inconsistent with your aims and objectives, you will not achieve good marks on both, even if they are individually strong.

You should consult with your dissertation supervisor on the preparation of this proposal. It should serve as a plan for the project you later undertake.

Deadline: 1pm Thursday 20th March 2025 (week 22)

Submit your **PDF report** via UoB Blackboard.

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Marking scheme

| | To <i>pass</i>, you must | For <i>merit</i>, you must <i>also</i> | For <i>distinction</i>, you must <i>also</i>: |
|---------------------|--|---|--|
| Aims and Objectives | Write some sensible aims and/or objectives | Write a good number of clear aims and/or objectives | Neatly define project with concise aims and/or objectives |
| Motivation | Sensibly justify your project | Provide an evidence base for your project | Make a clear, concise case for your project |
| Literature Review | Show that you have read appropriate papers | Provide a good summary of relevant literature | Clearly relate your project to the state of the art |
| Impact Assessment | Identify some potential impacts of robotics | Highlight significant impacts of the proposed project | Clearly relate project to wider context |
| Risk Register | Identify sensible project risks | Identify and rank all significant risks | Effectively manage all significant risks |
| Timeline | Divide project into feasible sequence of activities and milestones | Define clear, efficient sequence of activities and milestones | Propose a usable, robust plan in appropriate level of detail |