Department of Computer Science

Research Proposal Template

When preparing an application for entry into our winter batch of the Masters in Computer Science program, it is necessary to supply a clear statement describing the proposed area of research (a research proposal) with your application package. **You must write your own research proposal.**

General

**Length:** A research proposal approximately 2-4 pages in length is often suitable, depending on the area of research.

**Detail:** The following outline may be used as a guide.

**Research topic/title***
An initial working title should be provided and should describe the content and direction of your project.

**Background and Justification***
What is already known or unknown? Set the scene. This section must be based upon previous research that has been conducted in the field.

**Aims and Objectives***
What do you want to know, prove, demonstrate, analyse, test, investigate or examine? List your project aims in a logical sequence.

**Methodology***
How do you anticipate achieving these aims?*
What do you need (specify any special equipment, software or material)? Can you access necessary data or expertise from open sources or do you need to purchase them?*
Do you require particular resources?*
Are there barriers or pitfalls?*
Expected outcomes, significance or rationale*
Why is it important?*
What do you expect it will deliver?*
What is the plan for evaluating your methodology?*
Establish the importance of your project by highlighting its originality or why it is worth pursuing.

**Timetable (Plan of Action)**
Indicate the timeframe for each broad stage considering literature surveys, data collection, production, modelling, review, analysis, testing, reporting, chapters for thesis/project writing, and submission.

**References**

The recommended minimum requirements are identified with an asterisk (*).