TITLE OF THE FACULTY GRANT PROPOSAL

PI Name, Email, Phone Number, Department

Co-PI Name, Email, Phone Number, Department

Co-PI Name, Email, Phone Number, Department

# Introduction

In this section you should clearly state what problem you are trying to solve, the current state-of-the-art, the technical challenges/gaps, and how you propose to meet these challenges. This section should motivate the reader and demonstrate your knowledge of the subject matter. The Introduction and Objective sections together may be up to 1 page in length.

# Objective

This section should be a short paragraph of 2-3 sentences and clearly state the main objectives of your research. The Introduction and Objective sections together may be up to 1 page in length.

# Technical Approach

Identify and explain fully the technical approach you are taking to reach your objectives. Ground your technical approach in a brief explication of necessary theoretical [background](https://www.mit.edu/course/21/21.guide/backgrou.htm): applicable theory, analytical models, and hypotheses. State how pertinent data will be acquired and describe your data analysis methods. This section may be up to 1 page in length.

# Proposed Research

You should clearly state the different tasks you will undertake in this section. This section should be rigorous and structured. This is the lengthiest section of your proposal and may be up to 2 pages in length.

# Application Scenarios and Use Cases

You need to provide compelling application scenarios and use case to illustrate the impact of your proposed research. Select scenarios with a limited scope that can be completed within 12 months. Ensure selected use cases showcase the big picture of your proposed research. This section may be up to 1 page in length.

# Timetable of Activities

You need to describe the major milestones of your proposed research. This section may be up to half a page in length.

# Plans to Seek External Funding

This is where you discuss your plans to seek external funding. This section may be up to half a page in length.

# Detailed Budget

You should provide a detailed budget outlining the allocation for each participant, including postdocs and students. You should also provide an estimate of any travel expenses as well as any required equipment and software purchase. Note that equipment and software purchase are not generally allowed unless compelling reason is provided. This section does not count towards the 6-page limit of the proposal.

# References

It is important that appropriate references be cited. The citations should be sufficient and appropriate. The reference list appears at the end of your proposal and provides the full citations for all the references you have used.  You may use any standard citation style such as IEEE, ACM, etc. The references do not count towards the 6-page limit of the proposal.