Department of Computer Science and Engineering

Indian Institute of Technology Madras

7th May 2021

Procedure for MS interviews

The aim of the interview process for MS candidates is to assess the knowledge and problem solving ability of the candidate in subjects that are fundamental to Computer Science and Engineering, and to assess the independent thinking ability and research aptitude of the candidate.

During the interview, the candidate will be required to answer questions on programming, and questions related to topics in a subject chosen by the candidate from the list of the subjects given below. In addition to the primary subject chosen by the candidate, the candidate may also be required to answer some basic questions in other subjects. The duration of interview for a candidate may be about 25 minutes. You may find **this resource** on how to prepare for MS-PhD interviews from one of our faculty useful.

List of Subjects:

- ❖ **Digital Logic**

- ❖ **Discrete Mathematics**

- ❖ **Data Structures**

- ❖ **Computer Organization and Architecture**

- ❖ **Theory of Computation**

- ❖ **Design and Analysis of Algorithms**

- ❖ **Operating Systems**

- ❖ **Compiler Design**

- ❖ **Database Systems**

- ❖ **Computer Networks**

- ❖ **Linear Algebra**

- ❖ **Probability Theory**

- ❖ **Signals and Systems**