Dear members of the Myanmar Board of Study,

It is a great pleasure to write to you on behalf of the academic community of our University, to express our support for the creation of a curriculum of courses in applied mathematics and computational sciences that could be developed in Myanmar in close collaboration with Université Grenoble Alpes (UGA).

Since 2016, one of our colleagues, Professor Luc Biard, has made several visits to six of the main universities in Myanmar. On these occasions, Professor Biard has had many exchanges about possible collaborations with several faculty members and rectors, in particular, at the universities of Dagon, Bago and Maubin. He also gave courses in applied mathematics and computational science, a subject that has become essential in the training of the engineers and the leaders of tomorrow. Working through concrete examples, he made it possible for the students to use dedicated software and to fully master the bases of computational science.

In the course of the ensuing discussions, the idea of creating a curriculum in applied mathematics at the undergraduate level in Myanmar emerged. Designed on the model presented by Professor Biard, such program would include courses, practical sessions, and software tools, that have been developed at UGA, which would be adapted to Myanmar faculty and students.

UGA is one of the leading educational and research institutions in France. It serves a community of 65000 students and 1000 faculty and staff. Its departments of mathematics, applied mathematics and computer science are among the most active and visible in France.

UGA would be very happy to discuss the possibility of developing the proposed program. UGA would consider establishing a formal collaboration with the institutions in Myanmar that have expressed interest. These partnerships could define a framework for student exchanges between our institutions. In particular, they would facilitate the enrollment of Myanmar students, who would like to consider pursuing their studies with a MSc or PhD in Grenoble.

The project would require the training of the participating Myanmar faculty in the course material. To this end, a dedicated platform would be created, and short visits of UGA instructors would be programmed. Additionally, the necessary computational resources (essentially laptops) and internet access would have to be made available to Myanmar students.

Professor Biard and his Myanmar colleagues are currently studying the practical feasibility of the project. A model platform, that shows some of the course material, is accessible at https://www-ljk.imag.fr/membres/Luc.Biard/Myanmar/

The creation of a curriculum in applied mathematics along the lines presented above, would of course need to be approved by the Myanmar Board of Study. The purpose of our letter is to bring
support to the request of our colleagues from the universities of Dagon, Bago, Yangon, Mandalay, Maubin, and Magwe, that the Board of Study would examine the possibility of creating, on an experimental basis, a joint curriculum in applied mathematics between these institutions and UGA.

We thank you in advance for your consideration and would be happy to answer any question, should you require additional information.