Name of the Project: development of the molecular biology and biotechnology unit laboratory and qualifying it for accreditation in accordance with the specifications of (ISO/IEC15189).

The specific objectives of the project concentrate on the following first: the accreditation of the unit according to (ISO/IEC15189) and its adoption as a reference laboratory. Second, maintaining and raising the laboratory capability of the unit. Third, development of the capacity of the faculty staff members and their assistants, and researchers in the field of molecular biology and laboratory safety. Fourth, strengthening the relationship between the unit and the community.

This project is expected to achieve the following: the development of molecular biology unit in order to achieve the desired goals, in the field of community, education and research services. Such development will reflect on providing a unique service (either diagnostic or research) to the stakeholders and achieve maximum possible level of satisfaction among the members of the surrounding community. Furthermore, the income of the unit is also expected to rise due to the enhanced competitive abilities of the unit.

It is now known that the quality control policies and laboratory accreditation has become one of the most important means of improving services in medical laboratories, allowing them to compete locally, regionally and internationally as well. Therefore, it was essential for the unit to apply to HLAPC. The executive plan of the work will start with carrying on a comprehensive study to stand on the current situation of the unit. Then, analyzing the extent of the gap between the current situation and the requirements of the standard (ISO/IEC15189), and finally determining the activities to fill this gap and meet the standard specifications.

In addition, It is expected that accreditation of the Molecular Biology and Biotechnology Unit will allow continuous training and improvement of staff members and other workers capabilities including awareness of the quality measures during work. Such development will have a greater impact on achieving the goals of the unit, the Faculty of Medicine and the University of Benha in general. In turn, this will reflect on improving the quantity and the quality of diagnostic services and expand its scope to include the largest possible number of stakeholders either within Qaliubiya or the other governorates.