PROJECT CHARTER

BIOINFORMATICS ALGORITHMS – ONLINE TOOL

NORTH AMERICAN UNIVERSITY
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10/28/2016

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BIOINFORMATICS ALGORITHMS – ONLINE TOOL PROJECT

This Charter formally authorizes the Bioinformatics Algorithms – Online Tool Project to develop and implement an online tool for processing of biological data and some other techniques as mapping of the genes and similar for use in North American University and outside world. A project plan will be developed and submitted to the Project Sponsor for approval. The project plan will include: scope statement; schedule; cost estimate; budget; and provisions for scope, resource, schedule, communications, quality, risk, procurement, and stakeholder management as well as project control. The Project Sponsor will assign all resources.

The purpose of the Bioinformatics Algorithms – Online Tool project is to increase number of publicly available bioinformatics tools to make the biology data processing easier and more accessible to experts in the field and new learners as well. This project meets biologists' need for improved efficiencies across analyzing biology data by reducing execution time and minimizing search for an adequate tool with desired features. The project deliverables shall include bioinformatics algorithms background, all coding, testing, implementation of an integrated system for use with existing IT infrastructure, and a simple user's guide with short and clear instructions. The objectives of the Bioinformatics Algorithms – Online Tool project are to develop a reliable publicly open tool for processing data. High-level risks for this project include ensuring implementation is completed without developing strong enough system to withstand the processing of big data in case users try to process it. Success will be determined by the Project Sponsor once the system is implemented and more than 85% users become satisfied with usage and processed data generated by the tool.

The Project Manager, Medina Colic, is hereby authorized to interface with management as required, negotiate for resources, delegate responsibilities within the framework of the project, and to communicate with all contractors and management, as required, to ensure successful and timely completion of the project. The Project Manager is responsible for developing the project plan, monitoring the schedule, cost, and scope of the project during implementation, and maintaining control over the project by measuring performance and taking corrective action.

The project plan will be submitted and approved in accordance with the milestone schedule below. Upon approval of the project plan resources will be assigned to the project and work will commence within 5 business days. The Project Sponsor must approve any schedule changes, which may impact milestones. A detailed schedule will be included in the project plan. The high-level milestone schedule is:

October, 2016 – Project Plan Complete and Approved
November 10, 2016 – Bioinformatics Algorithms – Online Tool Design Completed
November 20, 2016 – Coding Completed
November 30, 2016 – Testing Completed
December 1, 2016 – Beta Testing Completed
December 10, 2016 – Implementation Completed
December 31, 2016 – Project Completion and aim for over 100 users

The budget for the Bioinformatics Algorithms – Online Tool project is $20,000. It is to be funded through the North American University Computer Science Budget.

SPONSOR ACCEPTANCE

Approved by the Project Sponsor:

_____ Date: _____

Said Ihsan
NAU Computer Science Representative