TIGP-Bioinformatics Program

**Applicant Self-Evaluation Form**

Full Name: Gizatie Desalegn Taye

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| **Course /Training Background** |
| **Please list all trainings or courses you have taken in math-related and informatics-related area. An example is shown as below; feel free to modify in accordance with your study background.** |
| **Math-related courses or training**: |
| * Applied mathematics (4 credit, Grade C) * Discrete mathematics (3 credit, Grade B) * Probability and statistics (3 credit, Grade C) |
| I**nformatics-related courses or training:** |
| * Programming fundamentals (C++, 3 credits, Grade B) * Data Structure and Algorithms (C++, 3 credit, Grade C) * Object Oriented programming (Java, 3 credit, Grade A) * Fundamental of Database (My SQL Server, 3 credit, Grade A) * Advanced of Database (My SQL Server, 3 credit, Grade A) * Computer Graphics (C++, 3 credit, Grade C) * Object oriented software Engineering (UML, 3 credit, Grade A) * Internet Programming (HTML, CSS, JAVASCRIPT and PHP, 3 credit, Grade C) * Advanced Programming (Java, 4 credit, Grade A) * Distributed system (Java, 3 credit, Grade A) * Introduction to Artificial Intelligence (Prolog, 3 credit, Grade A) * Expert System (Prolog, 3 credit, Grade A) * Modern Information Retrieval (3 credit, Grade A) * Natural Language Processing (MatLab, 3 credit, Grade A) * Principles of GIS and Spatial Database (ArcGIS, 3 credit, Grade A) * Data mining and Warehousing (Weka, 3 credit, Grade B) * Information System Development (C# and ASP.net, 3 credit, Grade A) * E-commerce (3 credit, Grade B) * Multimedia and Information Systems (Authoring tools, 3 credit, Grade A) |
| **Study Plan**  In Ethiopia, the research results of from academics at universities in the industrial world do not appear to be widespread. This means that most research results will be put on hold if the industrial problems remain unsolved. The reason is the mismatch between (product) research and industrial needs; i.e. Research topics are driven by the interest of researchers with little or no serious relationship to solve industrial problems and lack of skill and professionalism in software development. With my friends, we suggest setting up the Technology Business Incubation Center (TBIC), but most of them, including myself, have inadequate skills. We are not familiar with the latest tools and technologies.  The main goal of the TBIC*in Debre Tabor University,* is to produce successful firms to enable graduates and staff commercialize technologies, create jobs, and strengthen local economies by producing financially viable and freestanding small firms while leaving their study programs.  As everyone wants, I personally want to grow professionally and financially, and this can only be achieved by improving my experience in the area that always interests me, technology. But in a very different way, I not only want to grow economically and professionally, but also advance technological progress in my country in at least one step, using the conceptual and practical skills I learned during my studies and my internship work.  In particular, I have always thought of starting a software company from the Technology Business Incubation Center (TBIC) that will contribute greatly to society in my country. There are endless unsolved problems in our country that a small but powerful software company can solve. The biggest obstacle to such a company in Ethiopia is a skilled workforce. After graduating, I will use my skills and knowledge to create a skilled workforce and a strong software company that can familiarize our society with the latest and most advanced technology. |