**Please make a copy of this document (do not ask for edit permissions)**Replace the highlighted part of this proposal with your team’s answers.   
Please see the limits of each answer below. You may exceed one page if necessary.

**Company : Talentlytica**

**Problem Code : C22 - TA**

**Team Member:**

* **(ML) M7253J2229 - Sri Anggraini**
* **(ML) M2253j2219 - Fauziyah Aulia Rachim**
* **(ML) M7253j2220 - I Gusti Ngurah Agung Bayu Adhipramana**
* **(CC) C7253J2218 - Dila Ega Aulia**
* **(CC) C2253J2222 - Lalu Herdinan Eka Terryatmana**
* **(CC) C2208J1917 - Muhammad Alif Setya Prakasa**

**Why is this problem/project interesting for your team?**

We want to use our knowledge in ML/AI to process data from Talentlytica that can be used in recruitment process

**What’s your group’s initial idea to work on this project?**

We have an idea to improve on one of the products from Talentlytica which is Vania by using Machine Learning Model such as Natural Language Processing and the usage of Tensorflow Library. Because the result of the Video Call Interview from this product can be used to gain more insight on the personality, talent and intelligence from candidates. Aside from that, we can also automate the process of gathering and storing the data from interview into more accessible form through Cloud Computing

**Does your team have unique solutions to be proposed?**

Through the usage of cloud computing, the audio from video call interviews will be recorded until the end of the session. Once it’s done the audio will be converted into raw data in a form of CSV file and will be kept in cloud service, both processes will be processed using two different APIs which are Twilio and Google APIs. After that, with Natural Language Processing we will be able to filter certain keywords that candidate has said in order to classify them according to talent, intelligence and personality classification from Talentlytica

**Based on your knowledge, what tools/IDE/Library will your team use to solve the problem?**

For tools our team can use laptops. IDEs that we can use are Visual Studio Code, Google Colab and Google Cloud Platform. Libraries that we will use are Tensorflow, lastly APIs that will be used are Twilio and Google APIs

**Based on your knowledge and explorations, what will your team need support for?**

Our Group need support in form of mentor to guide us along the way and dataset that needs to be processed

**Any other notes/remarks we should consider on your team’s application**

Our team consists of students who have backgrounds in Informatics Engineering and System Information majors. So even before we apply for Bangkit Academy, we already have experience and knowledge in IT projects, especially in fields like Artificial Intelligence, Big Data, and Web Development. On top of that, we are also an active student in Bangkit Academy and finished the required class a bit earlier than everyone else. Aside from that, most of us already get to know each other since the start of Bangkit Academy, so our team already has a nice chemistry between CC and ML.