**Internal Assessment**

**SL**(30%)**/HL**(20%) **of IBDP Computer Science Course**

**Criterion-A**

Read the following requirements for the Criterion A and complete the attached document *Crit\_A\_Planning.docx* and initial interview. Upload these both documents as pdf file on MB.

Criterion-A has three sections: Defining the problem, Rationale for the proposed solution and Stating Success Criteria.

**Defining a problem**

Who is your client and advisor, write the summary of the problem and why you offered to solve this problem? You must have a preliminary interview with the client to know his/her requirements. (You must have evidence of this interview in the form of pdf, audio or video, as a separate file as an appendix).

**Rationale for the proposed solution**

Write the **rationale for** choosing the **product** as well as for choosing the **software**(Java NetBeans, C++, Python).

**Stating Success Criteria**

Write appropriate success criteria which would be specific enough to help evaluate the final product.

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*Required components of this Criteria:*

* A client must be identified, preferably by name.( *In case the student is the client, this should be clearly stated. There is no requirement to identify the adviser, but in case the student is the client and no adviser has been identified, then this may be penalized in the “Evidence of consultation”.)*
* Evidence of consultation – either with client or adviser

*Evidence must be explicit (for example an interview in appendix) and referred to.*

* A *rationale for choosing the* ***product*** as well as *for choosing the software*.   
  *To get top marks for this criterion, the software chosen for the product should also be justified. Explanations for choosing software must be product-related (e.g.* ***not*** *“I already have it installed on my computer”). A solution which does not explain choices of software can only be awarded a maximum of 5.*
* Criteria for success  
  *Appropriate criteria are specific enough to help evaluate the final product.*

*Generic criteria will lose marks in criteria A, B, D (functionality) and E.*

***Key terms***

***“solution****” refers to all the work submitted for the IA*

***“product”*** *refers to the completed software which is the subset of the solution*

***“developer”*** *and “student” are synonymous.*

***“client”*** *refers to the person for whom the product is being developed.*

***“adviser”*** *refers to a third party the student must identify to assist him or her in the development of the product.*