**Suggested Project for Tempus program**

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| **Seeking EU grant holder to develop the proposal jointly** | Yes  No |

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| **Proposed Project Title** | **Online Animation and Simulation Library to help Understand difficult and complex Topics in ICT** |
| **Importance of the project** | The main goal of teaching is to facilitate knowledge transfer. Computer animation and simulation represent useful methods to achieve this goal. By utilizing these methods, it becomes easier for students to learn complex concepts, and to assimilate knowledge involved in less time. In addition these methods play a critical role in developing practical skills and in improving information retention. By utilizing animation and/or simulation, invisible or conceptual processes can be visualized, which leads to a better understanding of these processes and concepts. Usually, people tend to understand and remember things they visualize than things they hear. Furthermore, animation and simulation can stimulate learners mind and encourage learning through all senses and motivation.  While animation and/or simulation are useful tools to facilitate knowledge transfer in any field, in this proposal we focus on ICT. Many of the theoretical concepts and algorithms covered in the ICT field of study are complex and therefore hard to understand and remember. Even if students capture the concepts being covered they tend to forget it quickly. By using animation and/or simulation these concepts can be represented visually to the students thus facilitating knowledge acquisition and improving information retention. Furthermore, the use of these methods eliminates the costs involved in establishing labs and the hazards that could result from conducting physical experiments.  Palestinian universities can benefit from the long experience to utilize animation and/or simulation to build a visual library that can be used to simplify teaching and to achieve deeper understanding of complex theoretical topics. |
| **Type of the project** | Joint Project  Structural Measures |
| **Type of Partnership** | National Project  Multi-Country project |
| **Suggested local partners** | 1- All Palestinian Universities.  2- Palestinian Ministry of Education. |
| **Project Theme** | Curricular Reform |
| **The problem** | Many of the theoretical concepts and algorithms covered in the ICT field of study are complex and therefore hard to understand and remember. Using animation and/or simulation can utilized to facilitate knowledge acquisition and improve information retention. Furthermore, the use of these methods eliminates the costs and the involved in establishing labs and the hazards that could result from conducting physical experiments. |
| **Specific Objectives** | The main goal of this project is to build an online animation and simulation library to support teaching ICT. |