Abstract for the 10th INSME Annual Meeting
Round Table 5

"Educating Innovation"

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Introduction

The world is looking at Innovation and Entrepreneurship with great importance to the world economy rectification from decades of stagnation due the fact that the world is becoming a small village with everybody knowing and able to have what everybody else in this world have. "Innovative Entrepreneurship" is in the heart of any economy development or diversification.

The educational system must catch up with these facts and must prepare future economy through prepare the future entrepreneurs whom must be Innovative as well. Although the wish is clear, yet the challenges are preventing any dreams to come true. This revolutionary approach is actually a solution that we believe will have unprecedented impact in this area.

The Challenge/Problem

The education system by nature is not easy to change from a curriculum point of view as well as teaching resources point of view. The main worries (for the educational system) when something new introduced are:

1. School curriculum content change is a big and difficult job
2. School time is limited (during school time & After schools time)
3. Teacher are mostly curriculum oriented and not all can improvise in adding more to the teaching system.

The Solution by ICE ©

ICE © is the solution that we have developed to achieve the objectives while all challenges and problems resolved. ICE stands for "Innovation Curriculum for Entrepreneurship".

ICE © is focused on teaching Innovation & Entrepreneurship in the K12 schooling system; we can describe it as a new Innovative unprecedented approach to teach Innovation & Entrepreneurship from G1 to G12.

The main uniqueness about this solution is that we overcome the main obstacles any school authority see as a bottleneck namely; curriculum, school time and teachers challenges. A solution that educate students while we keep the following untouched to large extend,

- same curriculum
- same school time (during or after school)
- same school classes
- same school subjects
- same teachers

Learning Principles

The main learning principles and continued lessons will be in the following areas and each in the language that suite the age and the curriculum status:

- Creativity
- Innovation
- Entrepreneurship
- Money Cycle
- Incubation
- Research & Development

Curriculum Customization Approach

The solution is done such that the core ICE © is generic to any subject any curriculum. It contains all learning elements and makes 80% of the solution effort when created.

For any curriculum, we developed/developing a curriculum adaptor such that it will be common to all schools using same curriculum. This part makes 10% of the whole solution effort.

Classes' adaptors are the only parts that we will develop for a specific school.

In other words given schools have the same curriculum then to be able to use the solution there will be need only to build the "Classes Adaptors" to make the solution ready to implement in any school. This part does not make more than 10% of any customization.

Accordingly, we can implement in terms of schools every year with minimum effort to have mass coverage to as much as schools in the Arab world.

With "teach the teacher" concept and in whole country public schools as example, the solution can be implemented in hundreds of schools every year.Learning Principles.