

MASS CUSTOMIZATION METHOD FOR HIGHER EDUCATION

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Abstract - The idea of Mass customization in the education system is to introduce. Customized education in an education system in which technologies and organizational skills are combining to provide for the individual's educational needs, when and where they are required. Such a procedure seems to hold the promise of bridging the conflict between the need to react rapidly to changing knowledge-based skills on one hand and the relatively conservative social skills that the school has to provide. The present education system operates shop-mode, in which the single teacher is in charge of the complete cycle of education. No technology so far, including on-line and distant education has changed the shop-mode of the learning process. The paper discusses various aspects of modification that are needed in the educational system to implement the transition from the mass education to mass customized education for knowledge acquisition. These aspects include organization teacher's attitude and the concept of two-tier classroom. The infra structure required for Mass customization Education to become operational is described; such infrastructure is based on ideas, which drive Mass customization in the production and business world.

Key Words: Mass Customization; Higher Education; MCME; Mass Notification; Rainbow plan

INTRODUCTION

Mass Customization Method of Education is an Institutional level Method. It is a new redesign of the structure and processes of learning to facilitate mass customization of and Higher Education. [1] A university is an institution of higher education and research, which grants academic degrees in a variety of subjects. A university provides both undergraduate education and postgraduate education.[2]

“Mass Customization Method of Education (MCME) is a large-scale distributed Method that offers serious education in a hybrid mode: online and in class in adjustable combination that maximizes the student's learning outcomes. It is a system designed for perpetual cost cutting and quality enhancement.”[1]

MCME is significantly designed for undergraduate education; however, its capabilities extend from high school education to coursework part of graduate programs.

In this, certain processes and functions are taken as they are in the present Higher education system, and some are modified to enhance the integration of the system. Most

features of the present Higher education are half backed measures, and more significantly, they have loose connections between them. In contrast, Mass Customization Method of Education MCME features are fully developed, and more significantly, they are cohesively tied together to make an efficient and effective Mass Production and Mass Customizable Higher education system. [1][4][8][10]

PROBLEM STATEMENT

MCME is an institutional level Business Method claim for a new design of the structure and processes of learning to facilitate mass production/customization of High School and Higher Education. The present education system operates in shop-mode, in which the single teacher is in charge of the complete cycle of education. No technology so far, including on-line and distant education has changed the shop-mode of the learning process. MCME is a large-scale distributed business method that offers education in a customizable hybrid mode: online and in class in flexi combinations that maximize student's actual learning outcomes. In MCME design, MCME Central consolidates, coordinates, and computerizes the repetitive and duplicated activities, saving magnitudes, while producing higher and consistent quality content, exams, and grading. MCME further reduces duplication by adapting a modularized-structure of knowledge. MCME affiliated schools are outlets which can keep students on-course to maximize their learning potential.

RESEARCH OBJECTIVES

A new institutional level Business Method, which facilitates mass production/customization of High School and Higher Education.

The method for achieving mass production is by identifying the repetitive tasks in the core learning process, and restructuring of the said process. The elements of the core learning process is the work of the teacher in the present shop-mode educational operation, which consists of:

- (a) preparing the course content, including the related set of review questions, problems, analysis of cases, and/or design and development practices.
- (b) For delivering the course content.
- (c) Guiding and coaching students' practices to learn the course content, and achieve their maximum potential.
- (d) Creating and administering the quizzes and examinations.
- (e) Evaluating each student's performance in the course and assigning a grade.
- (f) maintaining qualifications for the above items by being engaged in research and/or acquiring needed knowledge and skills.

The subject and content of learning in high school and course work of higher education can be captured, centralized, and made reusable, because they are within the spectrum of well-structured knowledge and skills.

JUSTIFICATION OF A PROBLEM

Present education system is low-return because the quality of course content and coverage on the average mediocre knowledge-based in every subject advances faster than a single teacher can catch up. Moreover for a generation whose interest and attention span is shaped by the entertainment industry the course content in most cases are not attractive, also it is high risky because the course coverage and deliveries are inconsistent varying considerably from class to class depending on the teachers knowledge ability, mood, commitment and interest.[1]

OBJECTIVES

- Mass customization method is developing of the individual in society consequent development of the society.
- Producing men and women of knowledge, character, cultural values and trained skill to achieve excellence in their career and life.
- Scientific and technological advances gaining momentum and conscious effort are made to incorporate them into the development sectors. It should develop scientific temper and spirit of enquiry in the students.

REVIEW OF RELATED LITERATURE

The Design mission of MCME is to create education institutions that are high return and low risk in high return there is cost quality product space provide significantly better learning outcome and low risk in the sense of significantly more consistent quality of the learning outcome.

These are some researches I saw which is related to my topic.

• MASS NOTIFICATION IN HIGHER EDUCATION

Mass notification system typically used existing data and voice network to deliver prerecorded live messages that alert student, faculty, employees of emergencies, and provides them with instruction.

Mass notification system can broadcast messages throughout campuses indoor and outdoor.

Professors can tell the students via email or through text messages that class will be held at the quad instead of the classroom. Administrator can warn student that they are paying tuitions.

Mass notification system that makes campuses safer today and its ready can give everyone on campus peace of mind tomorrow it can save lives.

• EDUCATIONAL REFORM IN JAPAN AND ITS INFLUENCE ON TEACHERS WORK

The Rainbow Plan is also renowned as the educational reform plan for the 21st century. It is currently being implemented in Japanese public schools and heralded by some as the most significant reform of Japan's education system since those immediately following world war two in this broad multifaceted and plan the Japanese ministry of education, culture, sports, science and technology call for the restructure entire Japanese education system.

- Improve students basic scholastics proficiency is easy to understand classes.
- Promote the establishment of universities of an international standard.
- Well trained teachers as real professionals of education.

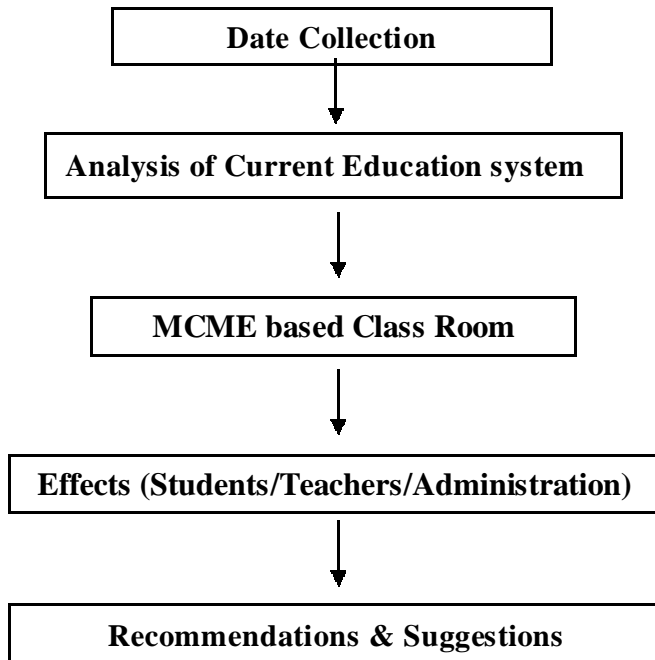
The teachers are responsible and implementing Japan rainbow plan curriculum reform are accountable. Simultaneously to national, local governmental bodies as well as to members of local school and communities, parents and student, ironically while rhetoric of the rainbow plan curriculum reform plan frames the benefit of the reform primarily in term of national and community level outcomes the strongest accountability mechanism are likely to occur at the prefectural school and individual level. [3][9][11]

The research related to Higher Education of USA, Mexico, UK and South Africa and most of developed country are applied the method of Higher Education system and they found very promising results.[5][6][7]

METHODOLOGY

Research is the formal systematic application of scientific method to the study of problem. Our methodology

adequately detailed logical and easily followed description. The main steps of methodology are shown in following flow chart:



EXPECTED RESULTS

- Higher relevance of student perceived aspects of the production process like punctuality, reliability, quality impression of the readiness for action and visible sub-processes.
- Influence of single student on the service outcome and the quality perception of other student.
- Students are able to distinguish between the good and evil He/She has a scientific knowledge for survive in the world.
- Student should be known the social and cultural values as well as their fellows. More over student have a spirit of enquiry also; they have a best career of life.

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