FACULTY
DEVELOPMENT
ACADEMY
Enabling Decisions for Tomorrow

COMSATS UNIVERSITY
ISLAMABAD

Deep Learning Through New Pedagogical Skills

Course Overview

"Learning is creation. Not consumption. Knowledge is not something a learner absorbs, but something a Learner creates"
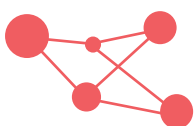
–George Couros

Why
Deep LEARNING?

The digital revolution is fast transforming our work, organizations and daily lives. This revolution is already in homes across the developed world and increasingly in the developing world too. Accordingly, it is transforming the way children and young people play, access information, communicate with each other and learn. However, most schools, teaching and learning in classrooms are not benefited from this innovation of new era.

Education is at a modulation point. The focus is on shifting from a system that doesn't meeting the current needs of the students to one that is driven by innovation and change. Change is needed because there is not a clear picture of what the new learning goals and pedagogies are that will facilitate the Deep Learning outcomes we in for the students folk as a whole enabling them to grow to meet new challenges of this complex world.

We believe that every student is obliged to learn deeply and to be a part change process to transform learning — schools, provinces, states and countries to take action, make a positive impact and grasp opportunities for improved quality of life .There is also a need to create engaging opportunities for all young people to develop the knowledge, skill mix and dispositions essential to have viable life choices in the economy and to improve civic engagement and participation.

Keeping in view of above, the role of teachers has to be changed to that of activators of learning who design learning experiences that build on learners' strengths and create new knowledge for real-life problem solving and help students identify their talents, determination and passion.   In the new pedagogies model, the foundation of teacher quality is a teacher's pedagogical capacity – their repertoire of teaching strategies and their ability to form partnerships with students in mastering the process of learning.

"The new pedagogies require students to create new knowledge and connect it to the world by using the power of digital tools". These are not just instructional strategies. They are powerful models of teaching and learning, enabled and accelerated by increasingly pervasive digital tools and resources, taking hold within learning environments that measure and support deep learning at all levels of the education system. Deep learning is more natural to the human condition because it more clearly connects with our core motivations: to directly and deeply engage in learning; and to do things that truly make a difference to our lives and to the world.
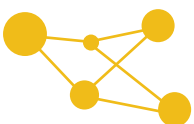
What to EXPECT?

The course aims to achieve the following two outcomes:

- To foster deep learning so that all learners contribute to the common good, address global challenges and flourish in a complex world.

- To gain the competencies and dispositions that prepare students to be creative, connected, and collaborative life-long problem solvers and to be healthy, holistic human beings in today's knowledge-based interdependent world.

Course
METHODOLOGY

Meaningful integration of technology and inquiry based learning into the classroom supports students' interests and perhaps elevates student engagement levels. Such a pedagogy prepares students for life after school and promotes a mindset of long learning.

Training Methodologies and Techniques

- Collaborative Learning
- Spaced Learning
- Flipped Classroom
- Self-learning
- Gamification
- Visual Auditory & Kinesthetic teaching
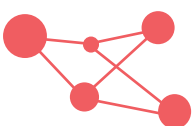- Crossover Learning

Hands on Activities

- Implementation of Deep Learning Framework

3
DAYS

DURATION

in-person / online

Course CONTENTS

Title	Description
Fundamental Change in Education	Understanding fundamental change in Education vis -a-vis global educational development
The new Pedagogies: Learning Partnership	Realizing the importance of engaging students in rigorous, innovative teaching strategies
The new Pedagogies: Deep Learning Tasks	Experiencing and engaging in activities that model collaboration, communication, critical thinking, and creativity
The New Pedagogies: Digital Tools & Techniques	Recognizing the instructional potential of digital technologies and are seeking ways to effectively utilizing them in support of learning.
Measures for Effective vs. Ineffective New Pedagogies	Introducing effective pedagogy can lead to academic achievement, social and emotional development, acquisition of technical skills, and a general ability to contribute to society.
New Change Leadership	Exchanging the best practices in supporting teacher development to create learning environments and instructional strategies that advance 21st century skills.
New System Economics	Adopting the best practices in creating and supporting school cultures that embrace and promote 21st century teaching and learning
Rich Futures	Interacting with policy makers, academic experts, school networks, teachers, education leaders, students and social partners framework provides a space in which to exchange ideas, compare proven and promising practices, discover cutting edge research and contribute to a sustainable future.

Contents
EXPLAINED

Fundamental Change in Education

A fundamental change is needed in the way we think about the role of Education in global development because it has a catalytic impact on the well-being of individuals and the future of our planet. Education has a responsibility to be in step with the challenges and aspirations of the 21st century, and to foster the values and skills that lead to a sustainable and inclusive growth and a peaceful life together

The New Pedagogies –Learning Partnerships

The new pedagogies can be defined succinctly as a new model of learning partnerships between and among students and teachers, aiming towards deep learning goals and enabled by pervasive digital access.
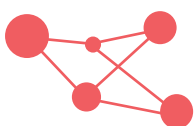
The New Pedagogies- Deep Learning Tasks

New Deep Learning Pedagogies may be the key to supporting students to be prepared for the trials and tribulations of the world around them while at the same time, promoting effective opportunities for student voice to shine.

The New Pedagogies: Digital Tools & Techniques

Digital technologies permeate the lives of 21st century students. Educators recognize the instructional potential of these technologies and are seeking ways to effectively utilize them in support of learning. The increased ubiquity and instructional advantages of education digitalization have made teachers use it in their classroom in order to keep up with the modern trends in education without even evaluating as to how beneficial digital technologies are for their students.

Measures for Effective vs. Ineffective New Pedagogies

Learning is dependent on the pedagogical approaches teachers use in the classroom. The effectiveness of pedagogy often depends on the particular subject matter to be taught, on under-standing the diverse needs of different learners, and on adapting to the on-the-ground conditions in the classroom and the surrounding context. Effective pedagogy can lead to academic achievement, social and emotional development, acquisition of technical skills, and a general ability to contribute to society.

Contents
EXPLAINED

New Change Leadership

Managing school change is one of the most complex school leadership tasks. School leaders need to understand the change process to lead and manage change and improvement efforts effectively. New change leadership based in a new theory of inherent change that is more organic and spreads rapidly under the right conditions.

New System Economics

In the twenty-first century, significant changes are occurring related to new scientific discoveries, globalization, the development of astronautics, robotics, and artificial intelligence. In this scenario, the traditional pedagogy can not well serve an emerging knowledge-based economy wherein creativity is at a premium. New economic, social and institutional models can pursue better lives for all.
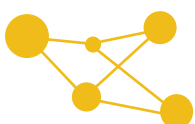
Rich Future

Education has a vital role to play in developing the knowledge, skills, attitudes and values that enable people to contribute to and benefit from an inclusive and sustainable future. Working with policy makers, academic experts, school networks, teachers, education leaders, students and social partners, the framework provides a space in which to exchange ideas, compare proven and promising practices, discover cutting edge research and contribute to a new ecosystem of learning.

Who should
ENROLL?

The course has been designed for Faculty members, University management, leaders and policy makers worldwide who are seeking ways to transform pedagogies and provide the conditions that helps in facilitate deep learning.

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