# Blockment

## A fair massive online open course system with peer grading

## Overview

In a world where technology is increasingly integrated with every aspect of the modern lifestyle, the need for a more fit learning ecosystem is more tangible than ever. While the world is becoming more advanced every day, the gap in education and the presence of hoaxes in certificates are getting bigger and bigger.
Nowadays, we face inequality, publicity, and a lack of fairness in education; here, we are trying to propose an appropriate method to make education more equal and fair in all countries worldwide.

## Solution

To overcome these long-standing yet growing issues, we need to turn to modern solutions which have not been experimented with before,
Our solution to these challenges is a decentralized MOOC with a blockchain core, making the desired transparency, fairness, equality, accessibility, privacy, confidentiality and authenticity in education possible.

## Goals

- Provide more people with equal learning opportunities
- Create a transparent and fair ecosystem for learning and assessment
- Make teaching and learning a direct source of income
- Provide a reliable scale to assess one's academic knowledge

## Specifications

The proposed platform is a MOOC with a blockchain core, where people can create courses, assess the other users, and take courses with the exclusive benefits they may offer, including but not limited to completing the required assignment, which the other users will subsequently assess.
This will enable a decentralized, self-scaling, fair, and transparent massive open online course platform. The contributors can also be paid using the used blockchain's native tokens. The academic reputation score and the income balance can be used as an incentive for people to engage in the teaching and learning process.

## Why blockchain?

With the use of a blockchain, we can make possible the existence of a distributed database for the courses and grades and every other thing needed in the learning ecosystem. In this way, every user can access the platform without the possibility of being denied knowledge or any similar barriers.
The other benefit of using a relevant blockchain is that this accessibility comes hand in hand with the preservation of the users' privacy and makes it possible for creators to charge the other users for their use of the created material. This will lead to a free and distributed MOOC where people can learn knowing the creators are entirely in charge of the content and that the items they view are genuine.
Finally, the scores people get on this platform will be verifiable on demand, and no one can stage a hoax in their assessed scores due to the immutable nature of the blockchain. This adds even more to the importance and reliability of the certificates people may obtain on this platform.

## Milestones

- **Transparency**

The use of a blockchain removes any obstacle which the presence of a central authority may cause.

- **Fairness**

With this platform's decentralized nature, peers review each other's works, and the assessments will be fairer.

- **Accessibility**

This ecosystem is distributed, and its blockchain-based nature will allow every user to access the platform, and no one will be denied the right to knowledge.

- **Profitability**

The content creators, tutors, and assistants can get paid directly using the abilities offered by the use of blockchain. This means that everyone on the platform can rely on their spread of knowledge and assessment of others as a source of income and a standalone business.