

Revolutionizing education with blockchain

# There are 3 global problems with education

- Hope and trust in education
- 2 Failure of Centralized systems
- Unavailable or unaffordable education

# Decentralization solves these problems

Hope and trust in education

Blockchain-based educentives, driven by demand of talent

Pailure of Centralized systems

2 Decentralized, community-driven platform with token economy

- Unavailable or Global, democratic, pay you to learn, provides job opportunities

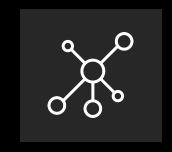
# - SOLUTIONS IN DEPTH

	Problems with Current Platforms	The BitDegree Solution
Students:	<ul><li>Affordability is a serious issue</li><li>Little to no help during learning</li><li>No clear path to a job</li></ul>	<ul><li>Get paid to learn</li><li>Active mentoring and forums</li><li>Employer sponsored learning paths</li></ul>
Instructors:	<ul> <li>In college, get rewarded for research not for teaching</li> <li>In online platforms, no incentive to create content beyond beginner level</li> <li>In online platforms, big financial investment upfront</li> </ul>	<ul> <li>Earn tokens for teaching in-demand skills</li> <li>Beginner courses are free. Only charge for advanced content</li> <li>Community finances development of courses</li> </ul>
Employers:	<ul> <li>Skill gap. Difficulty finding talent with desired skills</li> <li>Hard to assess skill level &amp; potential performance</li> <li>Technologies and standards keep changing</li> </ul>	<ul> <li>Employer sponsored content</li> <li>Immutable record of student performance stored in the blockchain</li> <li>Most up to date material. Decentralized content creation</li> </ul>

# How are we going to achieve this?

# BLOCKCHAIN PROPERTIES THAT MAKE BITDEGREE POSSIBLE TODAY







#### **Shared Upside**

Token will be used in the operation cycles of the learning platform and will represent future access to a platform's services. The more users and content BitDegree has, the bigger network effect becomes.

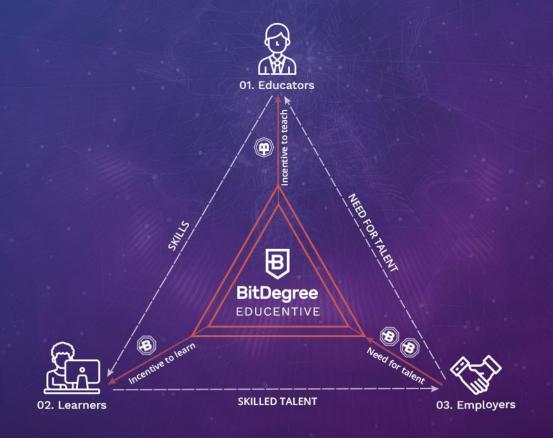
#### **Decentralization**

The community of token owners (employers, instructors and students) lead decisions on what to teach in the platform. BitDegree acts as a light moderator

#### **Immutable Records**

Students can easily identify the best instructors; employers can identify the best students, and instructors have access to comprehensive stats about the best performing topics across the BitDegree platform

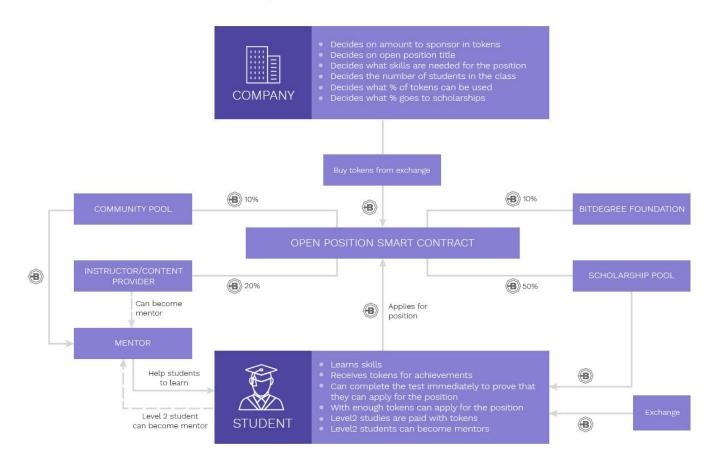
# TOKEN ECONOMY



# - TOKEN ECONOMY

Roles \Token flow	Why buy tokens?	How to earn tokens?
Learners	<ul> <li>Complete advanced courses</li> <li>Entry to job board/career services</li> <li>Donate to projects/content absent from the platform</li> </ul>	<ul> <li>Completing "free" courses</li> <li>Mentoring other learners</li> <li>Answering forum questions</li> <li>Promotions (airdrop, one time events)</li> </ul>
Instructors	<ul> <li>Promote courses by offering free tokens</li> </ul>	<ul> <li>Advanced course creation</li> <li>Content updates</li> <li>Mentorship of learning</li> <li>Answering questions in forums</li> </ul>
Employers	<ul> <li>Sponsor course creation and students (scholarships)</li> <li>Brand building through platform/technology evangelization</li> </ul>	<ul> <li>Partnership with content creators. Potential for self sustaining projects.</li> </ul>
BitDegree	<ul> <li>Occasional promotion</li> </ul>	<ul> <li>Transaction fee</li> </ul>

### TOKEN ECONOMY PROTOTYPE



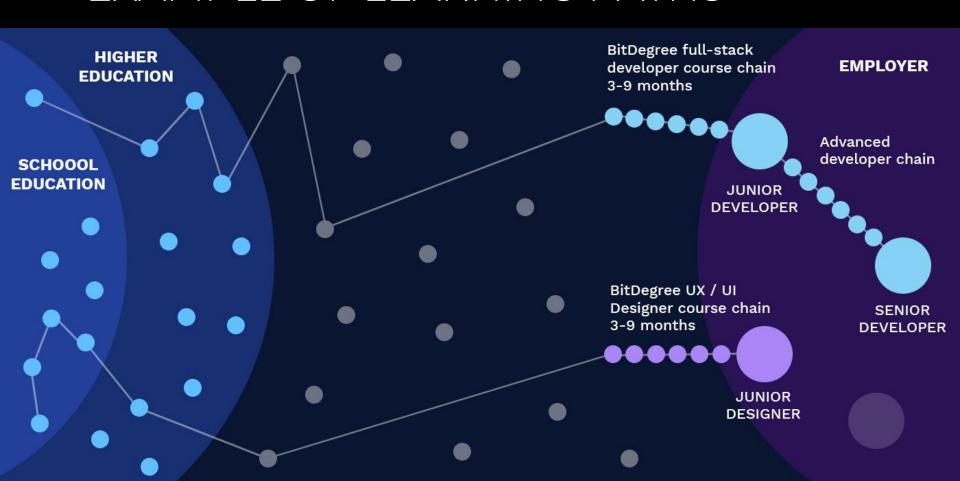
## EXAMPLE OF PAYMENT FOR LEARNING

#### 6 levels of courses



- Student gets enough tokens to pay for 2nd level courses by completing level 1.
- To pay for the rest, the student can either buy more tokens, or work as a mentor by helping others and earn them.
- Student can apply for a job, after completing level 6 course.

# • EXAMPLE OF LEARNING PATHS



# We already have a working MVP

#### **EVENT LOGGING**

■ Event Logging 11:11

Events enable the usage of the EVM logging facilities. These events can be used in JavaScript callbacks in the user interface of a dApp, which listen for these events.

In other words, events are dispatched signals the smart contracts can fire. And your application can listen to these events and act accordingly.

When events are called, they cause the event arguments to be stored in the transaction's log - a special data structure in the blockchain. These logs are associated with the address of the contract and will be incorporated into the blockchain and stay there as long as a block is accessible. As of now in regards to how blockchain works on Ethereum, it is forever. This might change in the future implementations of Ethereum.

#### indexed attribute

indexed parameter allows to filter for specific values of indexed arguments. Up to three parameters can receive the attribute indexed in an event.

#### LESSON ASSIGNMENTS

- Emit an event ScoreChanged with two arguments: int amount (equal to the value that was sent) and bool direction (true for up function and false for down)
- Emit an event GameEnded after gameOver is switched to true

You must complete all tasks from Lesson Assignments in order to proceed to the next lesson.

NEXT LESSON

#### TugOfWar.sol **Deploy Contracts** pragma solidity ^0.4.17; contract TugOfWar { int public score = 0; int constant endAt = 1 ether; bool public gameOver = false; function up() external payable { require(msg.value > 0); require(!gameOver); int value = int(msg.value); score += value; checkIfGameOver(); ACCOUNTS WRITE TO CONTRACTS READ FROM CONTRACTS MISCELLANEOUS DEPLOYED CONTRACTS O TugOfWar 0xa9a08a2ADc7a5536d917A7E00577d1575e81B442 EXECUTE FROM ACCOUNT EXECUTE FUNCTION 0x35cf539E91d481a94F061a034f62894712b734dE (99999508153999999! \$ up AMOUNT TO SEND GAS LIMIT 10 wei 2000000 gwei Selected function does not take any parameters. Execute



# LEADERSHIP TEAM



Andrius Putna
Creator of 000webhost - world's first cloud web hosting platform



**Roberto Santana**Former Senior Manager at Coursera,
Product and Strategy Advisor



**Jeff Burton**Serial Entrepreneur, co-founder of EA, Major Advisor



James Scarborough
Stanford University PhD.,
Gamification Advisor



**Danielius Stasiulis**Co-founder,
CBDO (BizDev)



**Maurice de Hond** Steve JobsSchool Founder, Personalized Learning Advisor

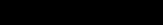


# Token Sale

# TOKEN SALE

1 Dec, 2017 - 30 Dec, 2017





#### 100% LAW COMPLIANT

BitDegree token is an utility token. BitDegree (LLC) is one of the few companies to receive official legal token sale approval from the national bank of its country of operation (Lithuania, EU), which is under control of the European Central Bank. 100% transparent & maximum secure. Read why it's important



#### TRANSPARENCY

Smart Contract is open-source and available for everyone on <u>Github</u>. There are no hidden rules or conditions. The participants will receive their tokens instantly after payment. The token pools of the team, advisors and foundation will be locked for a period of time to build stronger trust.

#### **EQUAL OPPORTUNITY**

Fair crowdsale - the same rules & the same opportunities to everyone. All discounts are public, with no hidden bonuses or secret deals. Here, everyone is equal and natural contributors are the key players of a project future.

See why it's vital for you

# TOKEN SALE

1 Dec, 2017 - 30 Dec, 2017

Progress: 19,542,835 BDG

SOFT CAP

HARD CAP: 336,600,000 BDG

TOKEN TYPE Utility

TOKEN SYMBOL BDG

EXCHANGE RATE 1 ETH = 10,000 BDG\*

TOKENS IN TOTAL 660 million

MAXIMUM GOA

~30,000 ETH\*

ESCROW Tokenlot

ACCEPTED CURRENCIES ETH (all other - via <u>Tokenlot</u>)

LEGAL FORM LLC

JURISDICTION:

Lithuania, EU

SMART CONTRACT Github

<sup>\*</sup> may change due to exchange rate changes.

# PARTNERS



















### COMMUNITY LOVE



Susan I

6:53 PM

#### Julija Sabaliauskaite

Crowdsale continues. Soft cap is a basic functionality of proj...

Definitely, got my BDG tokens! Been in higher ed for over 17 years - can't wait to see the wonderful things you all will do in your development



Михаил Яловцев #BitDegree following this project, an interesting and promising idea, a good team, I wish the project the rapid growth

Like · Reply · (1) 1 · 2 December at 13:45



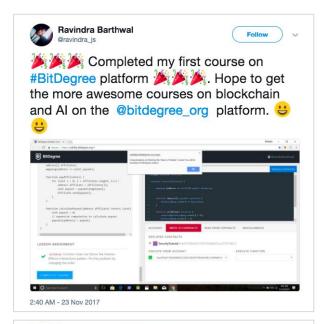
Abosede Peter Brillant approach towards education

Like · Reply · 1 December at 16:10



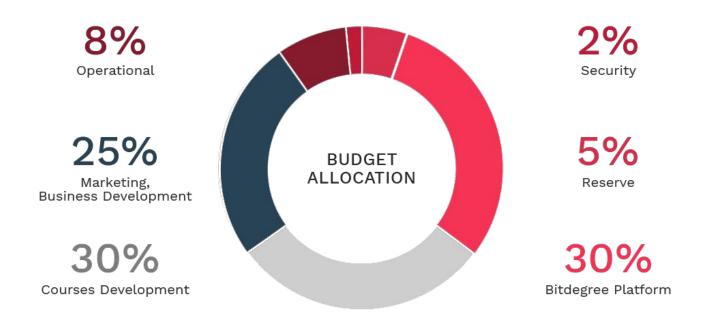
Jay Sanghrajka Your Platform will boost the education systems in India....
You are most welcome.....!

Like · Reply · Message · 30 mins

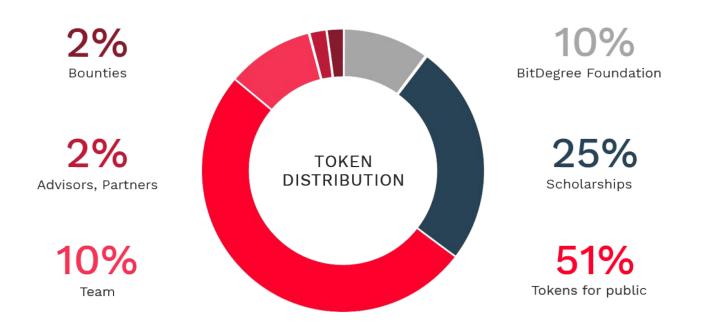




# USE OF FUNDS -Budget



# USE OF FUNDS- Distribution



## REGULATIONS

BDG is a **utility token**, certified by Central Bank of Lithuania (under the governance of the European Central Bank)

DRIGINALAS NEBUS RIUNCIAMAS PAŠTU



2017-11-10 Nr. S 2017/(21.10-2101)-12-5240 I 2017-10-23 prašyma

#### DĖL SITUACIJOS ĮVERTINIMO IR KONSULTACIJOS SUTEIKIMO

Lietuvos bankas gavo Jūsų paklausimą, kuriame prašote pateikti nuomonę, ar Jūsų mšte aprašytai veiklai dėl planuojamo vykdyti pirminio virtualių valiutų žetonų platinimo, kurio metu bus siekiama surinkti lėšų edukacijos ir švietimo platformai (toliau – Platforma), nėra būtina gauti Lietuvos banko sutikimų, leidimų, patvirtinimų ar lieenciju.

Atsakydami į Jūsų 2017 m. spalio 23 d. paklausimą, informuojame, kad Lietuvos bankas, analizuodamas finansų rinkos dalyvių ar jais ketinančių tapti subjektų verslo modelius, susijustus su virtualiosiomis valiutomis, įvertinęs Europos bankininkystės institucijos (EBI) (angl. European Banking Authority) ir Europos Centrinio Banko (ECB) (angl. European Central Bank) poziciją virtualiųjų valiutų klausimais, taip pat virtualiųjų valiutų keliamas rizikas ir vadovaudamasis Lietuvos banko įstatymo 42 straipsnio 5 dalimi, 2017 m. spalio 11 d. paskelbė poziciją dėl virtualiųjų valiutų žetomų platinimo tirtualiųjų valiutų žetomų platinimo (http://www.lb.lz/l/naujinos/lietuvos-bankas-skelbia-pozicija-del-virtualiųju-valiutų). Pozicija skirta potencialiems ir esamiems finansų rinkos dalyviams, taip pat subjektams, siekiamtiems Lietuvoje vykdyti pirminį virtualiųjų valiutų žetomų (toliau – žetonų) platinimą arba sudarytį galimybę Lietuvos investuotojams investuoti į šios rišdises produktus

Lietuvos banko nuomone, įvertinus Jūsų prašyme pateiktas faktines aplinkybes, baltojoje knygoje pateiktus duomenis bei 2017 m. lapkričio 6 d. vykusio susitikimo metu pateiktus paaiškinimus, taip pat atsižvelgiami į tai, kad planuojami išleisti 2etonai juos įsigyjamtiems asmenims suteiks tik teise naudotis Platformos paslaugomis (dalyvauti Platformoje rengiamų mokymų programose ir kt.), galima pritarti Jūsų pateiktam vertinimui, kad planuojami išleisti žetonai neturi vertybinių popierių požymių, nepriestarauja šiuo metu galiojančiam reguliavimui ir ju išleidimui nera reikalingos papildomos procedūros, susijusios su Lietuvos banko prižiūrimomis sritimis.

Pažymėtina, kad ši nuomonė negali būti vertinama kaip oficialus teisės aktų aiškinimas. Kadangi Lietuvos bankas nuomonę pateikia atsižvelges į konkrečių faktinių aplinkybių visumą, pasikeitus veiklos modeliui, platinamų žetonų savybėms ar teisiniam reguliavimui, turėtų būti atliktas naujas vertinimas.

Riziką ribojančios priežiūros departamento direktorė, pavaduojanti Priežiūros tarnybos direktorių



Renata Bagdonieno

Audrius Šilgalis, tel. (8 5) 268 0524, el. p. asilgalis@lb.lt

Centrinis bankas, Gedimino pr. 6, LT-01103 Vilnius, Duomenys kaupiami ir saugomi Juridinių asmenų registre, kodas 188607684 Tamybos duomenys: Žirmūnų g. 151, LT-09128 Vilnius, tel. (8 5) 268 0501, faks. (8 5) 261 5665, el. p. pt/27lb.11

### ROADMAP

#### 2007-2016 - 29M+ user base

29 million users on 000webhost - free web development learning platform, and Hostinger - web hosting services. Biggest part of users are young tech-savvy with deep will to learn, build and grow. Users love us as an online learning platform already.

#### 2017 summer/autumn - BitDegree ICO

Period of building Ethereum Smart Contract for upcoming BitDegree ICO event. An ERC20 token, auditing SM code. Development of MOOC Educational expertise partnerships. Marketing. BitDegree Token Crowdsale & Distribution Event.

#### 2018 Q2/Q3 - Student sector

First token scholarship issued. First partners accept token in BitDegree ecosystem. Start marketing activities oriented on student engagement. Achievement and gamification tracking for students. Tools for verification of study effort. Student achievements viewer. Smart incentives contract implementation. Mobile platform development. Students as mentors. 3rd party content. 3rd party assessors.

#### **Future**

3rd party integrations. Building SDK for Digital Service Providers. BitDegree for Business. BitDegree Jobs. BitDegree Certification. BitDegree Decentralized Diploma. BitDegree education AI assistant. Decentralized diploma viewer. BitDegree training. BitDegree young talent aquisition. BitDegree Braille (blind education). BitDegree for Third World countries.

#### 2017 spring - Web fundamentals

Summary of 500+ articles about web coding fundamentals was prepared. Polishing of the business strategy. Approaching first business partners. Consulting with numerous universities and blockchain companies to develop first courses.

#### 2018 winter/spring - Best online IT Learning Courses

Launching the first Blockchain course material. Hire field experts to manage project expansion. Source the best tutors. Blockchain identity registry research and implementation. Onboard 3rd party providers. Course material repository and structure generalization.

Launch first 100 courses with world's

Launch first 100 courses with world's best online learning experience.

#### 2018 Q4 - Business Platform launch

Developed & launched platform for Sponsors. Business development towards strong sponsorships with emphasis development of courses with a focus on skills in-demand. Creating sourcing pool for talent. Course material index. Sponsorship area. Course chunks mapping and career paths building area.



# moonrise 2017

Moonrise 2017 by Moontec competition's 1'st Grand Prize winner as the most promising & innovative crypto startup.

