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Bridging Digital Divides

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Tunapanda Institut Bridging Digital Dirib



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Chalenge

- The unemployment rate for youth (age 15-25) in Kenya ranges from 35-60%, and is especially high in urban areas.
- high demand from the private sector.



UN Development Programme, Kenya's Youth Employment Challenge January, 2013

We are facing a problem of youth unemployment and a severe shortage of teachers - especially in fields related to technology; since teachers with tech skills are in

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What we do

We focus on training skills in technology, design, and business skills - while helping our graduates (mostly from rural areas and informal settlements in East Africa) secure good jobs as we develop a new generation of teachers.

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Courses Offered Programming





Our Milestones





90% of our graduates get employment as way to fund themselves through college.





Sustainability

We currently source for jobs as a way to keep the institute self sustaining

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Distributing Educational Content

Online & Offline distribution - Desktops and mobile devices Community wireless network







Welcome!





learning.tunapanda

Coding

Using our courses in coding, you can master the skill of getting a computer to do what you

10 Swagpaths

VISIT TRACK

Command Line Interface

Learn more about Linux, terminal and version control systems e.g. github commands.

3 Swagpaths

VISIT TRACK



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Coding (Computer programming) is defined as telling a computer what to do through a special set of instructions which are then interpreted by the computer to perform some task(s). These instructions can be specified in one or more programming languages including Scratch, Kturtle, Python, JavaScript, etc. A computer goes through a set of steps whose purpose is to achieve something. These steps are instructed to the computer by computer programs. Essentially, computer programming is the process by which these programs are designed and implemented. The advantages to learning computer programming include gaining new skills, being able to tell the computer what to do, and becoming better acquainted with computers.









A swagmap is gamified display of performance. The green hollow nodes indicate the swagpath is not completed or attempted while non-hollow green nodes indicate the swagpaths is completed and questions answered.







Tunapanda LRS

Admin Options

🚯 Dashboard

Settings

LRSs

警 Users

Powered by Learning Locker Version 1.11.0 You can upgrade to 1.12.1

Admin Dashboard

Statements 7319

Your daily average is 47 statements with 121 learners in total.

Since	02/17/2016	
616		
462 20 Statem Lear 308 154	16-02-18 nent total: 288 mer total: 4	
0	2016-02-21 2016-02-25	

3

Total LRSs





3 Total Users



Tunapanda LRS

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Settings		
Edit LRS details		
📽 Manage clients		
📽 Manage users		
Powered by		

Learning Locker Version 1.11.0 You can upgrade to 1.12.1

Reporting •





Community Wireless Network

- such as Wikipedia, khan academy, TedTalk videos and our learning.tunapanda website
- creation of local content

Provide access to multimedia educational content to the community

This will help equip users with digital literacy skills and also promote



Available Equipment





Network Nodes







Community Wireless Network

Two layer approach. Have a

- **Core layer**
- **Access layer**

The Access layer will have : Picostation M5



The core layer will have a NanostationM5, cubie truck, edge router PoE









The poles are the nodes will be 6m high, will have impact to the signal strength?

can they be combined together as one zone

Input on the architecture?

Should the nodes be separated in different subnets or

Thank You Keep in touch with us

5 Tell me and I forget. Teach me and I remember. Involve me and I learn. **Benjamin Franklin**





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