Helping to bridge the Digital Divide

STMicroelectronics Foundation: ICB Training Course

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About STMicroelectronics

STMicroelectronics is one of the world's largest semiconductor companies. Offering one of the industry's broadest product portfolios, ST serves customers across the spectrum of electronics applications with innovative semiconductor solutions.

The Company's world-class products and technologies serve to:

- ✓deliver compelling multimedia experiences to consumers anytime, anywhere in the home, in the car, and on the go;
- ✓increase energy efficiency all along the energy chain, from power generation to distribution and consumption;
- ✓provide all aspects of data security and protection;
- ✓and contribute to helping people live longer and better by enabling emerging healthcare and wellness applications.

The group has approximately 48,000 employees, 12 main manufacturing sites, advanced research and development centers in 10 countries, and sales offices all around the world

STMicroelectronics Foundation

- STMicroelectronics Foundation, based in Geneva, is a non profit organization established by STMicroelectronics NV in August 2001, reflecting the increasing commitment of the company to social responsibility.
- STMicroelectronics seeks to encourage the involvement of STMicroelectronics employees worldwide in ST Foundation's projects.

The Foundation has spearheaded a program which aims at spreading the benefits of digital technology, by providing free of cost both the tools as well as the basic training to those who have no knowledge of how to use a personal computer and access the Internet:

the Digital Unify Program

The Digital Unify Program

- The DU program consists of the setting up of computer training centers, DU Labs, in collaboration with local partners such as schools, NGOs, local administrations, government agencies, etc.
- A DU Lab, where ICB courses are held for up to 20 students, is equipped with 11 stations (one station/PC for two students) connected to internet and a projector or large monitor

Satellite antenna e photovoltaic panels

Lap-top Lab with monitor

ICB course

- **The Informatics and Computer Basics (ICB) Course** is a computer literacy course of the duration of 20 hours with the following key learning objectives:

✓ search a subject using Google and Wikipedia and send an email

✓ write and format a paragraph in a word processor

✓ perform a simple calculation on a spread sheet

✓ understand the “social media world”

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ICBF course

- ✓The Informatics and Computer Basics Facilitation (ICBF) course is designed to provide a guidance for ICB trainers.

- ✓It is delivered through to the voluntary effort of dedicated STMicroelectronics trainers or of the experienced staff the Foundation is collaborating with in the different intervention areas.

ICB Course Basic Rules

- ✓Basic computer courses in the context of the Digital Unify program will be held based on the Informatics and Computer Basics (ICB) Manual. Modification and commercialization of this latter is not allowed.
- ✓ICB courses will be entirely free of charge for beneficiaries.
- ✓Courses will last 20 hours, i.e. typically 10 lessons of 2 hours each for max 20 trainees (max 2 people per PC).
- ✓Recommended minimum age for participants is 14 years, but in any case not less than 12 years.
- ✓One teacher and, when possible, one assistant will assist each course.

ICB Course Basic Rules cont.

- One hard copy of the ICB manual needs to be available to each student for perusal during the course.
- Post tests will have to be conducted and the result recorded for each student.
- A list of participants needs to be kept, keeping track of their presence at each lesson.
- The standard attendance certificates should be given to each student (who has participated to at least 8 of the 10 lessons) at the end of each ICB course but in any case not later than one week after the end of the course.

The acceptance and respect of DU Basic Rules is essential for the beginning and continuation of a DU partnership.

ICB Attendance Certificate

digital unify
A program of ST Foundation

TRAINING CERTIFICATE

THIS IS TO CERTIFY THAT

Name FAMILY NAME

HAS SUCCESSFULLY COMPLETED THE COURSE

Informatics and Computer Basics

AI

Name of DU center

STMicroelectronics Foundation

(Partner Logo)

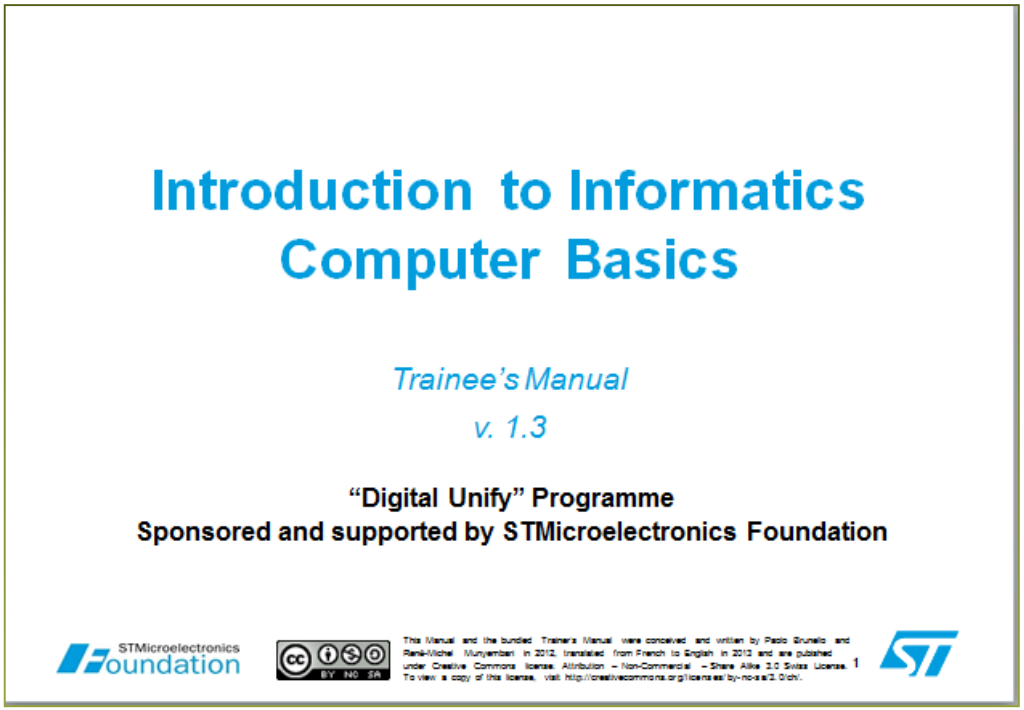
Name FAMILY NAME
Training Manager

Name FAMILY NAME
DU Trainer

Place *Dates of Training*

ICB trainee's Manual:

Power point manual for the trainees devoted to present the key learning objectives of the course.



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ICB Trainee's Manual: Key Topics

Learn to

- Search for information on the Internet

Learn to

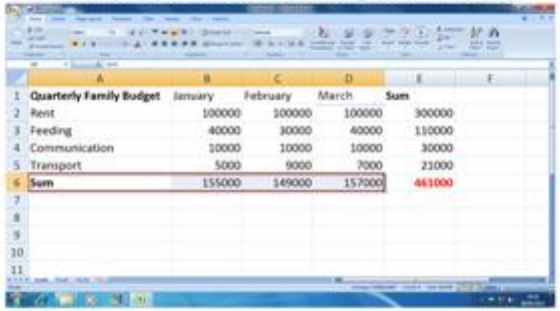
- Send and receive emails using Gmail

Learn to

- Write a document in a wordprocessor

Learn to

- Perform simple calculations using a spreadsheet



	A	B	C	D	E	F
1	Quarterly Family Budget	January	February	March	Sum	
2	Rent	100000	100000	100000	300000	
3	Feeding	40000	30000	40000	110000	
4	Communication	10000	10000	10000	30000	
5	Transport	5000	9000	7000	21000	
6	Sum	155000	149000	157000	461000	
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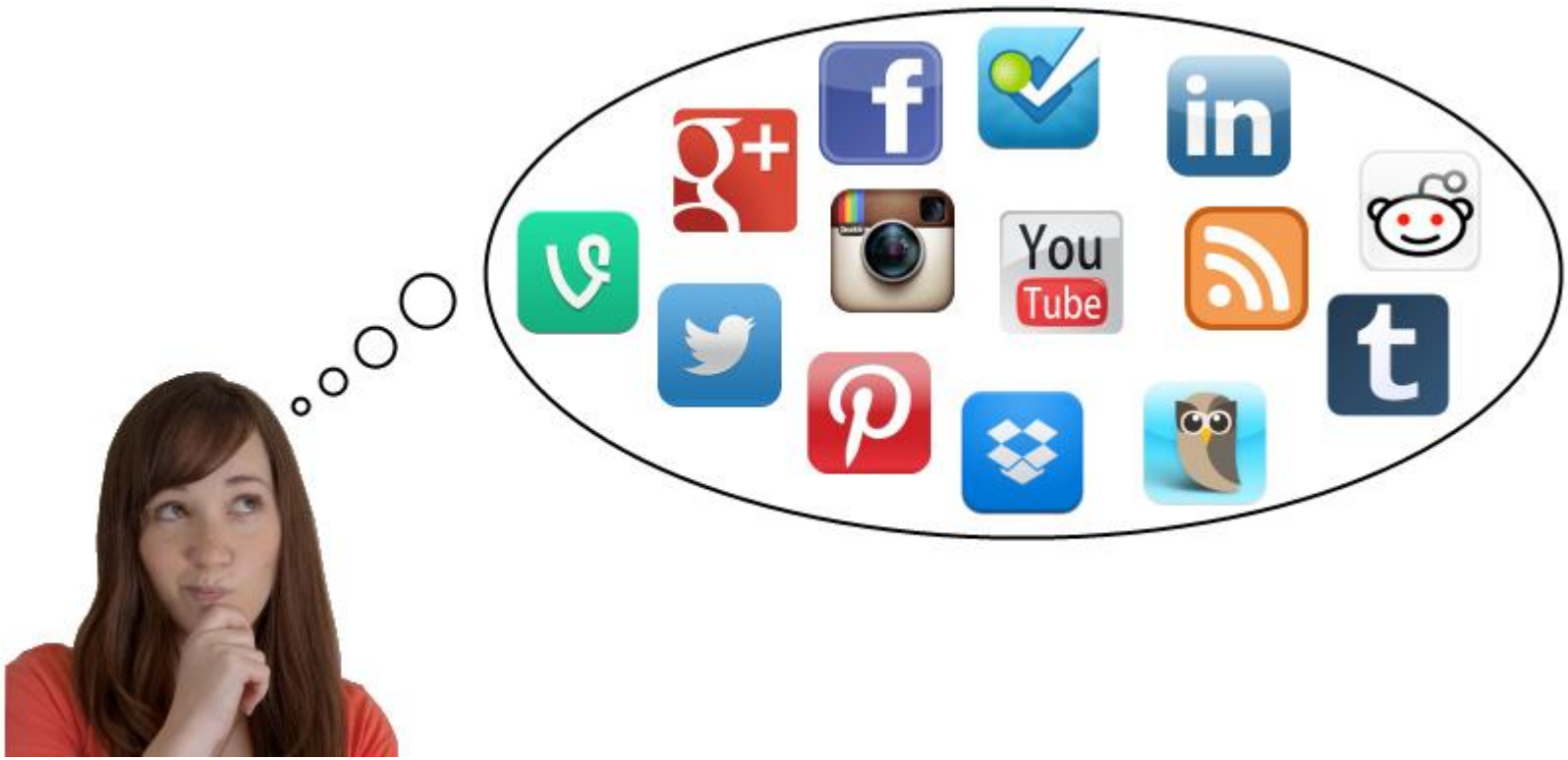
ICB Trainee's Manual: Key Topics



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ICB Trainer's Manual

In depth description for the trainers of the training techniques that can be used in the different sections in which the ICB course is divided in order to:

- ✓**Liberate learners from the « fear of the computer » which often scares them from making fruitful use of the computer;**
- ✓**Giving learners the desire to experiment with the computer as well as to know it better once the course is finished**.

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ICB On Line Reporting

Purpose of the tool

- ✓To allow the students to perform the final test whose result will be reported in the relevant DU course
- ✓To report in real time the completion of a DU Course with all relevant data
- ✓To allow country managers, regional managers and WW manager to create reports in real time on the status of the DU activities

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Organization & roles

ST Foundation:

- ✓provides the equipment and oversees the setting up of the DU Lab
- ✓provides ICB manuals/CDs
- ✓organizes ICBF courses to train ICB trainers
- ✓ donates the agreed amount: usually teachers salaries and internet connections costs
- ✓collects and elaborates periodic information from sites
- ✓verifies commitment to agreed goals and rules of conduct

NB. The hardware remains the property of ST Foundation

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Organization & roles

The local partner:

- ✓signs a Memorandum of Understanding (MOU) with the Foundation detailing each party's obligations
- ✓provides the use of a room for the lab and ensures the security of the equipment
- ✓organizes ICB classes, commits to training a minimum number of trainees per year and sends timely reporting

NB: A DU center typically serves an minimum of 600 trainees a year

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DU policy

- ✓The initial MOU covers the first three years of operation (Y1 to Y3) during which the minimum number of DU trainees per year should be 600

- ✓Y4 to Y6: financing is reduced by half whereby the partner has either found alternative financing or is using the lab to generate income by offering IT services (with ST Foundation's operational support). The minimum number of DU trainees can be adjusted

- ✓Y7 onwards: ST Foundation may continue to give some technical support assuming that ICB courses continue to be held. Otherwise ST Foundation will either use the equipment for other DU centers or donate the equipment to the original partner

First steps towards setting up a DU Lab…

1. Informal poll on local partner's will to engage in DU and on availability of facilities and human resources (suitable site, trainers, potential trainees community etc).
2. Partners who can propose more than one site are preferred
3. Preparation of data sheets with basic information on each site (location, availability of said resources, electricity, expected trainees, site manager, detailed budget estimate)
4. Draft of a project with the assistance of ST Foundation
5. Approval by ST Foundation's Board
6. Signature of MOUs
7. Beginning of Digital Unify Program: setting up of lab, ICBF course delivered to future trainers, ICB course delivered to trainees

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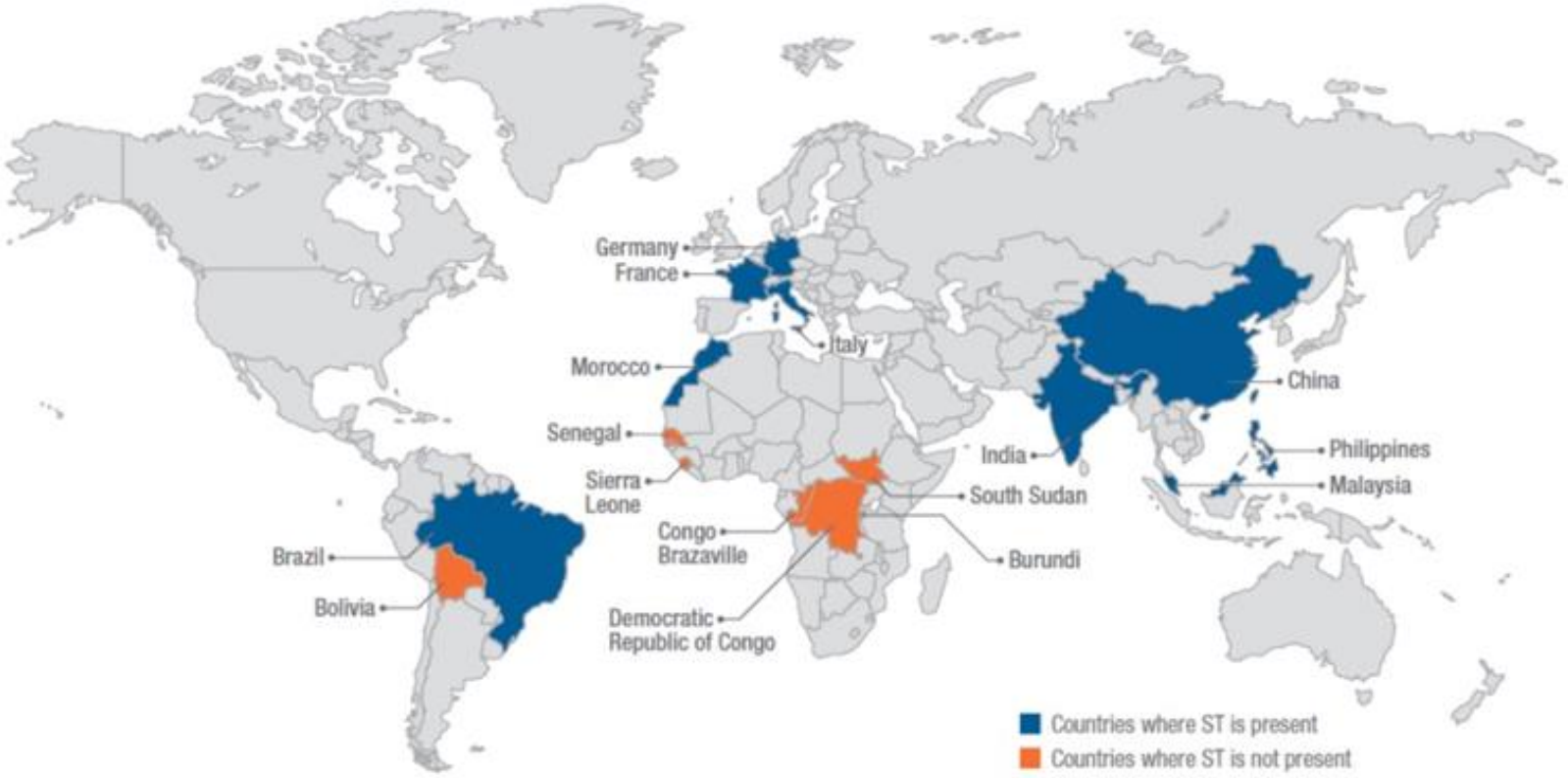
The Digital Unify Program in a nutshell

- Over 160 DU centers in 26 countries since inception
- Over 450’000 people trained across four continents



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