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2022

bit

Educating a
new
generation of
leaders





burkina
institute of technology

About this Publication

Designed & produced by Anna Pertl

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BIT is a university in Koudougou, Burkina Faso. It opened in October 2018 with 30 Students. Today we have 304 students. We will have 1,000 students by 2030.

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BIT NAMED BEST PRIVATE HIGHER EDUCATION INSTITUTION!

BIT was rewarded with an average
score of 18.10 in the report of
monitoring and control outputs of
private higher education institutions,
ranking 1st.

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Need for
opportunities

3% population
growth rate

65% of the
population is under
25

THE NEED

BIT creates a striking impact in educating entrepreneurs who are willing to create change. We aim to build future generations of young leaders in Burkina Faso.

OUR MISSION

Educating a new
generation of
leaders

Real life
applications

Unique
curriculums

Prof. (h.c.) Susanne Pertl - Founder



Change is wild, elusive, and inevitably dynamic.
Change is fueled by the undying energy of our universe,
of our species, and of this country.

Change, dear friends, is what BIT strives for. BIT is educating a new generation of leaders. And, thus, acting as a catalyst for change.

Three years ago, we celebrated our inauguration ceremony. Now, what we dreamt of three years ago is no longer a dream. In 2021 BIT was ranked the number 1 private higher education institution in Burkina.

Additionally, we are proud of the first class that graduated from BIT in September 2021. To the class of 2021: as you go out into the world, use your skills, your ambition, and your resilience to move the ball forward. As ambassadors of BIT, you will be leaders. I truly hope that you will reach all your goals and that you will be responsible leaders of your country.

BIT is still a new university. But we have already established and achieved clear goals. By combining subject knowledge with business know-how, entrepreneurial thinking, and practical skills we give our students more than just a degree. All of our students complete an internship so that they graduate BIT with real experience.

We successfully introduced our new Mechanical Engineering subject in 2021. Moving forward, we are building a laboratory, more dorms and auditoriums. We are creating a Career Development Service and an Executive Education Program. We are designing a Master program which will meet industry requirements. And lastly, we will help our two new startups on their journey.

In taking these steps we will continue to grow and to provide excellent education and we hope to be a role model in the higher education sector. We want to inspire high quality, industry oriented learning, and modern education in Burkina.

Where we started



IDEATION

After having built a school, the Lycée Schorge, in Koudougou, the idea was born to build a university to give students the opportunity to continue learning and to develop the necessary skills to help in the development of their country, Burkina Faso.



CONSTRUCTION

With architect Francis Kéré, the vision of the campus was formed: wind-cooled classrooms built from local Burkinabé building materials and filled with up-to-date IT equipment are embedded in a tree-rich environment with plenty of sporting facilities for the students.

2018

Founding Year

7

Classes

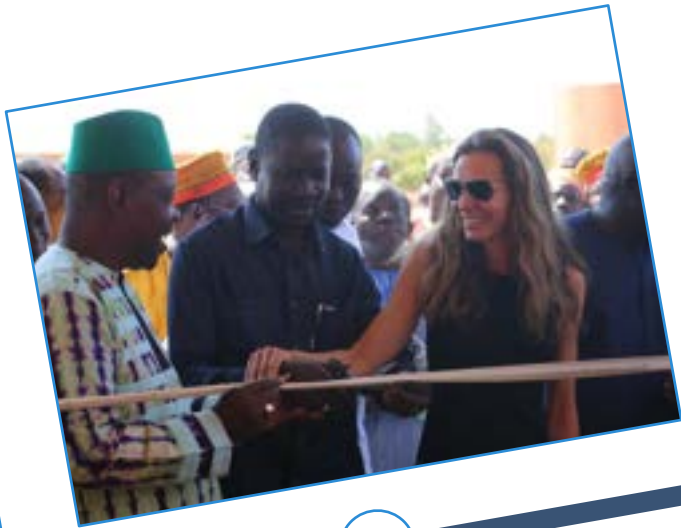
3

Subjects



ACCREDITATION

BIT has opened and received Bachelor accreditation for its two unique curriculums:
Computer Science
& Electrical Engineering



INAUGURATION

In 2018, the Burkina Institute of Technology was officially opened during an inauguration ceremony with the President's Chief of Staff, the Minister of Higher Education, Innovation and Research, and the Chief of Issouka, among others.

BIT in numbers

304

Students

27

Graduated Students

SPACE

2021 we constructed one auditorium for 100 people and one auditorium for 200 students. We are now constructing our third big auditorium also for 100 students. We also built a new infirmary.



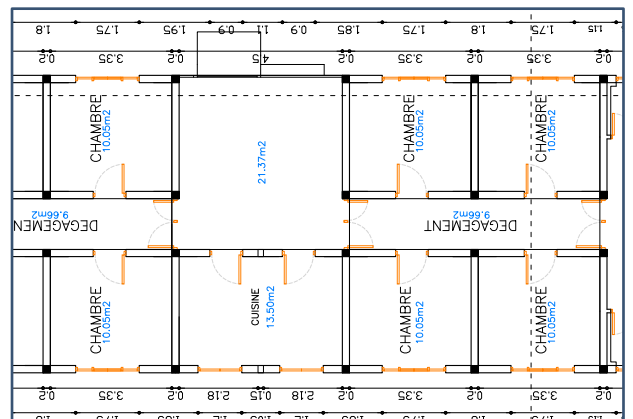
SUSTAINABILITY

Since 2020, 700 trees have been planted to realize the vision of an educational oasis. In 2022, 200 more trees will be planted.



ACCOMMODATION

On-campus student housing opened to students in October 2021. Three dorms house up to 16 students each. Four to five new dorm buildings will be constructed in 2022. The dorms are already vitalizing campus life.



360

Students in 2022/23

1,000

Students educated by 2030

Why BIT?



Cutting Edge

All aspects of BIT are cutting edge. Students have access to personal laptops and a working internet connection. Additionally, online courses complement lectures and ensure that students always have access to the most up to date and quality information.

Entrepreneurship

Starting successful new businesses is crucial for Burkina Faso's youth. But Entrepreneurship is also a way of life, which we teach through our entrepreneurship modules at BIT. It means being a problem-solver, an innovator and educated risk taker in everyday life.



Real Life Skills

Technical knowledge is increasingly important, as technology is becoming more and more complex. However, these skills are only as useful as one's ability to apply them to real world problems. At BIT students gain real life skills through projects and internships.

Leadership

Every country needs leaders. Our English education ensures that students are qualified to engage with others internationally. By discussing implications of technology and underlying ethics BIT educates leaders that will make a positive change.



1ST BIT GRADUATION

27 GRADUATES

1,000+ GUESTS

Our pioneer class celebrated its graduation with more than 1,000 guests

Today, we are immensely proud of the achievements of the Class of 2021. Equipped with the right skills and mindset they will soon take on responsibility in their local communities, in Burkina and globally.



Class of 2021

Our students graduated BIT, just as it was named the best private higher education institution!

BIT was rewarded with an average score of 18.10 in the report of monitoring and control outputs of private higher education institutions, ranking 1st.

Graduation 2021



The leadership of BIT received an audience with the President in order to present the different projects of the TSSI in Burkina, especially the Burkina Institute of Technology.

SOCIÉTÉ

Le président du Faso Roch Marc Christian Kaboré a reçu en audience, la fondatrice du lycée Schorge et de l'Institut de Technologie du Burkina, basés à Koudougou, Susanne Pertl



Dr. Rodrigue Kabore, Dean of BIT, Prof (h.c.) Susanne Pertl Founder of the Lycée Schorge and the BIT, Désiré Yameogo, Coordinator of TSSI in Burkina (left to right)

Dr. Rodrigue Kabore - Dean



Our Dean, Dr. Rodrigue Kabore, is committed to education excellence at BIT. His prior experience includes working for the government as director of promotion of the digital economy and teaching in higher education for over four years with a focus on Information and Communication Technologies.

“Education is one thing, good education is another thing. I am committed to support the Burkina Institute of Technology and to train a new generation of leaders.

With BIT we want to establish a benchmark institution that is unique, is innovative and and trains its students in English. We want to train leaders who think differently, who think entrepreneurship for their dear homeland Burkina Faso.

After three years, we are educating more than 300 entrepreneurs in technological fields, such as Computer Sciences and Electrical Engineering. We will always innovate through new fields such as Mechanical Engineering and the development of state-of-the-art facilities.

The success of an institution like BIT depends on the entire team that supports it. Our highly qualified and dedicated faculty, national partners who support us with internships, and those from the international scene who are the source of this project, I particularly greet the Founder, Susanne Pertl, a dynamic and committed woman.

My personal objectives as Dean of BIT are to:

- Help BIT become a benchmark institution,
- Support these learners (students, interns and professionals) by providing them with cutting-edge university education that meets national and international standards
- Provide learners with high quality of training and good academic monitoring
- Ensure BIT students become entrepreneurs, evolve in their field of training, and work for the edifice of Burkina Faso.” - Dr. Rodrigue Kabore

Teaching for Tomorrow

Studying at BIT

- Qualified and motivated professors
- Small classes
- All lectures are in English
- Working internet connection and a loaner computer for every student



Professors from leading European universities complement BIT curriculum

- Inspired by the idea of fostering the socio-economic development of Burkina Faso, Kostis Christodoulou from London Business School and Sven-Olaf Gerdt from University of Münster provide online courses to the students.
 - While Kostis Christodoulou focuses in his course on the analysis and understanding of data with the programming language R, Sven-Olaf Gerdt explains different business models in detail and how these can evolve over time. United by a very practical orientation, both courses include numerous real life examples and encourage the development of technical and presentation skills.
 - We thank Kostis Christodoulou and Sven-Olaf Gerdt for their continuous support of our students.

edX, Lecturio & Guest Lecture

- Cutting-edge courses from the world's best universities
- Becoming familiar with new technologies
- Globally minded students
- Widened horizons & Intercultural exchange of ideas
- Meeting experts with hands-on experience in their fields

Dr. Rodrigue Kabore : Dean of Burkina Institute of Technology

Désiré Yameogo : Coordinator of Stern Stewart Institute

Rachid Nabolle: Computer Science Head

Brice Sawadogo: Mechanical Engineering Head

Arnaud Valea: Electrical Engineering Head

Dr. Seydou Ouedraogo: Electrical Engineering Professor

Dr. Kossi Imbga: Physics Teacher

Maxime Bako: Programming Teacher

Prof. Antoine Bere: Scientific Council President

Dr. Marcel Kebre: Academic Director

Dr. Frederic Ouedraogo: Consultant

Dr. Sadouanouan Malo: Consultant



Our Team



Giovanni Bazie: Head of Schooling

Flora Soudre: IT Manager

Aïssata Semde: Career Development Service Manager

Alice Bouda: Management Assistant

Jacob Ouedraogo: Campus Environment Manager

Djemnatou Nana: Nurse

Isidore Kouraogo: Mentor Project UnternehmerTUM





A subject with wide implications



Computer Science is part of just about everything that touches our lives. Understanding computing is essential in the 21st century. Whether you want to be a scientist, develop a groundbreaking application or just enhance your problem-solving skills – studying computer science will provide you with the necessary knowledge.

Become a problem-solver



This course provides the future generation with the knowledge and skills required to combat everyday problems with sustainable business ideas for the country. Therefore, we are looking for highly determined students with a critical thinking ability. If you are interested in understanding complex structures, solving technical problems and developing your own computer programs, then this is the right course for you.

Computer Science is the subject of the future. This program provides education that enables students to develop their critical thinking skills to become successful entrepreneurs and leaders in Burkina Faso.

Our computer science program connects cutting edge technology with the social skills required to understand and influence the implications of computer science for the future. The problem-solving, teamwork and leadership skills acquired are incredibly important in the future.



State-of-the-art education

The main focus of the curriculum is on website and application design, for desktop and mobile devices. Additionally, an insight into data analytics is given. A combination of interesting lectures and world-class online courses allow students to reach their full potential. To give an all-round preparation for the upcoming work life, the students undergo internships during the summer break related to the area of computer science, where the acquired proficiencies can be applied to the real word.



Focus on entrepreneurship and real life application

We want to encourage students to think like entrepreneurs in order to convert their computer science skills into new business ideas. Therefore, we embrace a very practical approach in our way of teaching. Each semester is divided into three parts, of which two are focusing on the theoretical acquaintance of knowledge, and the third on the practical application of what has been learned. This will ensure consolidation of the gained skills and thereby a long-term learning process. Additionally, all content is taught in English, the global computer science language, which increases opportunities for our students.

An increasingly important subject



Electric engineers work at the forefront of practical technological evolution. They develop everything from pocket calculators to complex renewable energy systems such as solar power systems. The six-semester bachelor's degree in Electrical Engineering and Renewable Energy teaches the necessary engineering capabilities required by a professional in electrical technology for renewable energy systems and other fields.

Excellent employment opportunities



The electrical engineering industry is growing rapidly. Given the nature of technological progression, there are numerous different occupations for future BIT alumni. Future career paths may include the government, the private sector or alumni founded startups. We envision our students designing new power systems for their villages and playing a role in providing solar energy to the whole country.

No matter the challenge, BIT Alumni will be able to evaluate the feasibility of a project from a business and from an engineering point of view. The bachelor program in electrical engineering and renewable energies at BIT shapes engineers of tomorrow and opens a world of opportunities.

Cutting-edge learning materials, small classes and practical projects challenge students to grow as individuals. During the six semesters, our students gain diverse business and engineering skills and are trained to be future African leaders.



State-of-the-art education

The program provides students access to a wide range of cutting-edge learning materials from Burkina Faso, German, and American universities in courses such as mathematics, electronics, photovoltaics, and storage technology. The syllabus is taught in small classes in a state-of-the-art campus and excellent, international tutors. Throughout each semester, students have the possibility to work in teams on different practical courses such as "Solar thermal energy project" or "Building a small micro-grid". By applying their knowledge in these practical courses, students maximize their learning experience at BIT.



Focus on entrepreneurship and real life application

This bachelor enables students to develop the mindset of entrepreneurs. The students' practical knowledge will be complemented by business skills, giving students an ideal foundation for today's engineering world. Required team projects strengthen students' problem-solving, interpersonal and communication capabilities. Additionally, students will learn time and resource management, while assessing risks involved in business projects.

An important subject in Burkina



Mechanical engineers work at the forefront of practical technological evolution. The bachelor's program has a modular structure and allows students to choose a specialization, thus enabling them to acquire sound application-related skills. The specializations give students the opportunity to deepen their individual interests in the field of mechanical engineering, while still ensuring that they can be employed in a variety of industries.

Excellent employment opportunities



The program provides students access to a wide range of cutting-edge learning materials from German and American universities. Especially for high-tech courses like mining, we rely on international experts. The syllabus is taught in small classes in a state-of-the-art campus and excellent, international tutors. Throughout each semester, students have the possibility to work in teams on different practical courses where they can apply their knowledge to maximize their learning experience.

No matter the challenge, BIT Alumni will be able to evaluate the feasibility of a project from business and engineering points of view. The bachelor program in Mechanical Engineering, at BIT shapes engineers of tomorrow and opens a world of opportunities.





Cutting-edge learning materials, small classes and practical projects challenge students to grow as individuals. During the six semesters, our students gain diverse business and engineering skills and are trained to be future African leaders.



State-of-the-art education

This bachelor enables students to develop the mindset of entrepreneurs. The students' practical knowledge will be complemented by business skills, giving students an ideal foundation for today's engineering world. The bachelor's degree lets students choose between a concentration in Resources & Mining or Agriculture, which constitute the backbone of Burkina Faso's economy. Mandatory team projects strengthen students' problem-solving, interpersonal, and communication capabilities. Additionally, students will learn time and resource management, while assessing risks involved in business projects.



Focus on entrepreneurship and real life application

Given the nature of the program, there are numerous different occupations for future BIT Alumni. Future career paths may include the mining industry, agriculture, and other enterprises. We envision our students leveraging their skill sets to unlock job potentials in many areas of Burkina Faso's industrializing economy. We believe that our holistic education will allow students to shape the companies they work at and enable students to have an impact on the developing economy.



Impressions



Computer Science

LN Dounia
CIMBURKINA
ONATEL-SA
Rock Techno
ONG Wend Puiré
(APISAVANA)
Direction Régionale de
l'eau et de
l'assainissement du
Centre Ouest
Yamba Digital Hub

Tara'services
Natuco SAS
Ministère du
développement de
l'économie numérique et
des postes
Village laafi
Lazone
Tam-Tam Group Press
Maison de L'entreprise
ONEA

EBIKAF
Smart Burkina
NANTOU Mining
Nos3S
Alink
Agiitech
WillMarket
Performance Technology
& Trading
Moderne Business
Service

Electrical Engineering

CIMBURKINA
Dimsolar
LAZONE
APISAVANA
Express services
d'électricité
Erfac consulting
ONEA Ouaga
ONEA Bobo
LMA
Smart Burkina
Grand Moulin du Burkina
SONABEL
Eco Electrical Service
UTE
SOIER
AFRIC CARRIERE

PPS (Projet Poroduction
Solaire)
SECOBIO SA
COGEB BTP
EZAF International
ZebretElectrics
Inn Technology
Global Elektrik System
Electrification Ondulation
Distribution Assistance
NANTOU Mining
Lagazel
Omexom Solar Zagtoui
Sogea-Satom Burkina
Faso
Orange Burkina Faso

CIMAF BURKINA FASO -
Ciments de l'Afrique
TELMOB
Bharti Airtel
Moov
Essakane Solar SAS
Faso Energy
Ineo Energy and Systems
Ereda
Wärtsilä - Essakane Solar
Greenyellow
Urbasolar
Schneider Electric
Energivo
P.P.I. BF SA
Cabinet International
D'expertises

Student Experiences

“During my
internship I found a
passion in graphic
design which led
me to push my
research in this
field in order to
deepen my skills. I
really appreciate
this wonderful
internship
opportunity ” -
Eleazar Yameogo

“What moved
me most at GMB
was the modernity
of the equipment
used. Everything is
computerized! I
really learned a lot
of different skills
that I can apply in
the future” -
Tatiana Ramde



CS internship, TamTam



EE internship, Siemens

CAREER DEVELOPMENT SERVICE

100% Employment after Graduation
100% Internships

Graduate Support
Asheshi Collaboration
Student Development

Company Network
Alumni Network
Network Database

100% of our students receive internships.
We thank all of the companies that made
this possible!



We focus on the core BIT value of **Entrepreneurship** and provide the students with the right skills and mindset to achieve their goals.

Based on the three elements of success, we cover all steps necessary to start a business, from idea generation to market introduction, seed financing and scaling in order to enrich the startup landscape of Burkina Faso with sustainable businesses.

The entrepreneurship journey begins with the Start-up track where students spend their last semester working on a business plan for their own business ideas. During the first half of 2021, 5 teams of students researched the market, developed products, formulated a business plan. We saw great effort and great results: Business ideas spanning from smart agriculture to telemedicine. Our students are tackling the most pressing issues of the country. The best teams will receive seed funding and enroll in the 1-year accelerator program to bring their ideas to life.

BIT ACCELERATOR

START YOUR OWN BUSINESS AT BIT

Entrepreneurship is the core BIT value. With our new BIT Accelerator program, we encourage and support students at BIT to start their own businesses and become successful entrepreneurs, delivering value to the community.



Continuing our workshop series, Christopher & Holger came to BIT with a workshop program for our 2nd year EE/CS students featuring an introduction to Entrepreneurship as well as business ideation and validation tools such as Brainwriting and Lean Canvas. The students developed great business ideas which have a direct impact on Burkina Faso's society and pitched them directly to successful founders during BIT's first Entrepreneurship Summit. Eight entrepreneurs from Koudougou and Ouagadougou inspired and motivated our students with their personal success stories on the road to their flourishing enterprises.

YTECH

Technology made accessible

The expanding service portfolio includes development of websites, mobile and desktop apps as well as database management. The goal of the innovative and agile founding team is to deliver fast and high-quality results for customers around the world.

Whitin the first few months, the team succeeded in conducting two programming projects for European companies. The agility of the team and quality of work were highlighted by the customers. A very good start on the way to becoming a recognized name in IT.



MENTORS:



Dr. Hans-Joachim Körber



Henning Schwanhäusser



Nana Jérémie



Sanou Lougoudoro



Yaro Emmanuel

BIT ACCELERATOR

GROW THE BUSINESS YOU FOUNDED AT BIT

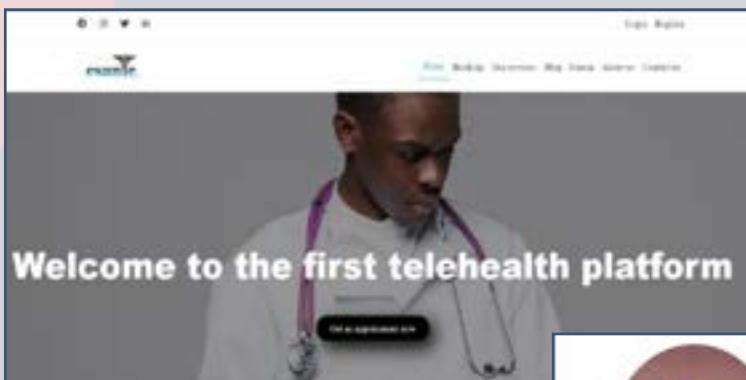
The best BIT accelerator teams receive seed funding and enroll in the 1-year accelerator program to bring their ideas to life. BIT currently supports two successful start-ups.

ESANTE

Bringing healthcare to everybody

The first telehealth platform in Burkina Faso connects patients with medical experts from around the country. The company transforms the medical industry, providing much needed access to medical advice via innovative digital channels.

Multiple tests have been conducted with patients and doctors to develop a valuable platform. Within the next few months, the team plans to introduce the eSante solution to the market and conduct real tele-consultations. First, for dermatology patients. Next, a complete rollout to all medical specialties.



MENTORS:



Carlos
Nueno



Prof. Magda
Rosenmüller



Dr. med.
Marta Montal



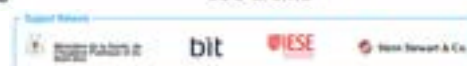
Yanogo Yves Patrick, W
CEO & CFO



Kawane Matalina Loreine
COO & CMO



Quedraogo Ezekiel Ulrich
CTO





Impressions



Ashesi University & BIT Collaboration

STRENGTHENING CAREER SERVICES ENGAGEMENT AT BURKINA INSTITUTE OF TECHNOLOGY

// Career Services Engagement

Burkina Institute of Technology (BIT) joined the Education Collaborative at Ashesi University mentorship program in 2021 to receive institutional support in career service, faculty research development and fundraising. The mentorship program allows BIT to learn from Ashesi University and institutions in the Education Collaborative network that have succeeded in these areas while sharing our knowledge with other universities in Africa. As part of BIT's career service development, BIT is participating in the Collaborative's Systems Change Program for Employability Pilot. The program aims to help institutions develop systems to improve graduate employability by learning from peer institutions in Africa that have efficient career service systems. We are excited about the journey we have begun with the Education Collaborative and look forward to collectively improving graduate outcomes in Africa. //





Dr. Kabore, Dean, BIT joins the Education Collaborative's research community of practice at the WARIMA Conference in Senegal to deepen inter-institutional research among higher-ed institutions in Africa

// Education Collaborative

In June 2021, we were invited to participate in the Education Collaborative 2021 Annual June Convening organized and hosted by Ashesi University in Accra, Ghana. Taking part virtually in both the entrepreneurship and employability track, we had the opportunity to learn about successful university strategies in career and entrepreneurship ecosystems development in a university context. After the conference, BIT submitted a proposal for the post-convening grant— the call for applications to support participating institutions in implementing the convening lessons. The Education Collaborative accepted the grant proposal to support and enlarge BIT's growing entrepreneurship ecosystem. In 2022, the BIT team will begin executing the ideas shared in the proposal, including on- and off-campus events or exchange program support for students. We thank the Education Collaborative at Ashesi University for this opportunity and the support in building the future generations of young leaders in Burkina Faso. //

TUM Collaboration

// TUM offers online courses to students in Africa

To educate a new generation of leaders who fight for their vision of a better Burkina Faso is the aim of the Burkina Institute of Technology. The Technical University of Munich supports this project by providing online courses for students.

The courses are a combination of video teaching, tutorial hours with the professor and self-study and were offered via the e-learning platform Lecturio to BIT students this year for the first time. The TUM School of Management will continue to support teaching at BIT with further online courses. We thank Prof. Friedl, Prof. Königstorfer, and Prof. Brügge for providing us with their excellent online courses. //

// Dr. Svenja Jarchow - Exchange regarding the Curriculum Design for the Masters Program and integration of BIT in TUM.Africa including contributions in the TUM Africa Newsletter. //



Prof. Dr. Gunther Friedl at TUM

Unternehmer TUM

Digital Product School

Building the next generation of human-centered digital product makers. BIT is the first African partner. We prepare the students to solve real problems locally. We enable students to find a good problem/solution fit and how to do so in a team.

Michael Stockerl

Product Discovery Sprint by Digital Product School

Designed as a 3 months full time program, Product Discovery Sprint combines theoretical input with practical experience.

Students and recent graduates work together in interdisciplinary teams to develop digital solutions for problem spaces focused around current issues in Burkina Faso.

This project allows students at BIT to develop competences in these fields:

- Preparing and conducting problem interviews
- Applying Design Thinking methods
- Preparing and conducting Minimal Viable Experiments
- Building clickdummies
- Building working prototypes

Digital Product School

5

Years

500

People

27

Countries

FHJoanneum Collaboration

// Two of our BIT students, Dolores Neya and Yao Sossou, won the Ernst Mach Scholarship in 2021! They spent five very successful months of their 6th semester in Graz, Austria, studying at FHJoanneum. //



Dolores and Yao with Prof. Doris Kiendl, Chair of the Institute of International Management at FHJoanneum

// We are very happy for Adora Ouedraogo and Donald Bationo who have received an Ernst Mach scholarship in 2022 based on their achievements. This will allow both to study at FHJoanneum, a university of applied sciences, in Austria starting at the end of February. //

An official partnership with FHJoanneum

BIT's request for the project "Entrepreneurship Education in Burkina Faso" was accepted as part of BMBWF's "Cooperation program for development research".



Prof. Doris Kiendl, Arnaud Valea, Rachid Nabolle, and
Bojan Jovanovski

// Our professors also strive for the best and continue their professional development. Thus, two of our professors, Arnaud Valea and Rachid Nabolle, enjoyed an advanced training for entrepreneurship education at the FH JOANNEUM in Graz Austria. //

OUR MISSION

Our goal is to bring together independent thinkers to tackle the challenges ahead of us. Thanks to all the participants and our distinguished speakers we nourished ideas that will for sure create change in Burkina and beyond. But we do not stop here – with future events we hope that we can spark with those events an exchange between local and international leaders to create a striking impact for society at large.

1st Conference - October, 2021

ARTIFICIAL INTELLIGENCE

Challenges and Opportunities for Burkina Faso

8 Speakers

40 Top Executives from Burkina Faso

// Inspiring Keynotes

Introduction to Artificial Intelligence & Successful Examples

Anthony Bak & Christopher Olsienkiewicz

Challenges & Opportunities for Burkina Faso

Dr. Yaya Traore, Dr. Abdoulaye Sere & Dr. Tégawendé F. Bissyande

Digital Health: Trends, Impact & Opportunities

Carlos Nueno



Executive Education

BRINGING TOGETHER INDEPENDENT THINKING
MINDS TO CREATE A STRIKING IMPACT.

2nd Conference - December 4th, 2021

DIGITAL TRANSFORMATION
Significance and influence on West African
Economies and Business

7 Speakers

20 Top Executives from Burkina Faso

// Inspiring Keynotes

Opportunities of Digital Transformation

Paul Timmers - Former Director at the European Commission and
Director of the eGovernance Academy of Estonia

Digitalization - How to Succeed

Dr. Yaya Traore - University Joseph Ki-Zerbo

Driving Purpose through Digitalization

Robin J. Stalker - Former CFO of Adidas, member of the supervisory
board of Schaeffler AG, Commerzbank AG & Hugo Boss

Health goes Digital - Transforming Healthcare

Prof. Magda Rosenmöller - IESE Business School





Student voices



“This experience with BIT is so amazing because I daily improve myself and my knowledge in several domains important for me...BIT is a huge opportunity for me and I wish to be the best version of myself at the end of my training... To sum up, I think this University is going to be a genius nursery.” - **Nicolas Josias Kabre**



“I have always wished to integrate at a well-qualified university where English is the language spoken. Being at BIT is like being in the total realization of my wish. What I really appreciate at BIT is the quality of education and above all the internships at the end of the year. I hope to impact my society thanks to the knowledge I am gaining.” - **Donald Bationo**



“I am happy to study at BIT because of the quality of the training and the competent and passionate Teachers. I love that the language of our courses is English, the international language. I dream of becoming an entrepreneur and leader who helps solve the problem of electricity insufficiency with what I learn about renewable energy.” - **Marie Zidouemba**



“I have chosen to study at BIT because in the Institute is based on technology which is the way of development for a developing nation. I enjoyed the leadership training where we studied how to create and manage our own business. There is no development without energy so this is a great opportunity to develop ideas and practice them.” - **Adora Ouedraogo**



“BIT offers a new chance to hope for a better future. Indeed, BIT focuses on high standard courses provided by motivated teachers. BIT offers an atmosphere of exchange and relationship creation. Being a student at BIT is about preparing yourself to become a brilliant and innovative entrepreneur ready to impact the world.” - **Patrick Yanogo**



“BIT is very special institute because it allows me to be rigorous in my work. Thanks to BIT, I developed my leadership spirit and, especially thanks to the Women Empowerment program, I learnt several notions for my professional and social life. I am delighted to be at BIT and I invite new students to come and see the wonder of BIT. Thanks!” - **Yabile Traore**

We created a platform where our female students can feel self-determined, strong, and bold to share their dreams & ideas for their future. The Female Empowerment Program supports our female students from the Burkina Institute of Technology. The Program aims to support & make an impact for our girls in the following areas:

Strengthen the female student's perception in society
Learn more about themselves & gain confidence in topics they usually do not get in touch with

Intensify their role as students
Support of the student's everyday life
Maximize the students' career opportunities



Student
Experiences

“

It still needs to be said, the issue of women's empowerment is a constant struggle.

Therefore, we can only praise the initiative from COGNOS International & Friedrich Naumann Foundation of Freedom, which allows us to create new ways of learning, sharing & empowering.

It is always a great pleasure for us to come and share our experiences and receive new ones in our weekly sessions.” - Dolores Neya

Female Empowerment

Are you interested in becoming a supporting partner of our program in terms of scholarships, workshops, deep dive session, 1 to 1 coaching, or mentoring? Get in touch with us:

Charlotte Rahe: crahe@cognos-international.de
Head of Female Empowerment
@COGNOS International & Ambassador of BIT

We meet once a week in our hybrid classroom where we discuss, reflect & share. Our Female Empowerment Program offers different formats of group work, peer & tandem learning and is supported by speeches & talks from other girls and women from Africa.

Financial Basics
Role of women in Modern Society
Balancing Family & Work
Dress Code
Time Management

Self-Management
Well-Being
Stress Reduction
Decision Making
Positive Thinking & Mindfulness

“

What does female empowerment mean to you?

To me, female empowerment means firstly, the capability for a woman to take any decisions. Secondly, it means that women have to be creative and then be able to defend their idea and persist to get people's attention in order to fight against the prejudice, gender inequality in the world. And there are some women that already impact the world through their hard work like Michelle Obama, Sheryl, and others that we can imitate in order to be empowered women in the future.” - Alice Bouda

3 DORMS OPENED IN 2019

43 CURRENT RESIDENTS

4-5 NEW DORMS IN 2022

We are expanding on-campus housing availability

On-campus student housing opened to students in October 2021. Three dorms house up to 16 students each. Four to five new dorm buildings will be constructed in 2022.



The dorms are vitalizing campus life

The students living on BIT's campus have the opportunity to engage with each other after class. They can participate in extracurricular activities, talk about possible start-up ideas, and study for their classes together. The atmosphere of collaboration increases student well-being and fosters academic excellence.

BIT Dorms

Widening horizons and equal access

Our dorms enable the best students from across the country to come to BIT and live right on our campus. This allows us to accommodate students with different backgrounds, making our campus more diverse.



A safe and affordable home for many students

Our dorms are a great and safe place for students to live. Both male and female students can find a home in our dorms. The current student residents are taking care of these new buildings very well through intense organization.

Conferences & Events:

Conference: Cybersecurity, online civility and users data protections

Building a website as an agile team with UnternehmerTUM

Workshop on Entrepreneurship and Business analysis

Participation in National Internet Week

BIT Entrepreneurship Summit

Scientific day

BITech



- Football
- Volleyball
- Basketball
- Dancing
- Singing
- Theater
- And more...



Student Life



Widening
Horizons:

International
conference

Conference on
health

Female
empowerment at BIT

Blood donation day

Visit of Orphanages

Visit of Kéré Architecture







Francis Kéré

Founder and Principle Architect
of Kéré Architecture

“It is the mark of the future...

I am convinced that the next Bill
Gates, the next Tesla will come
from Africa.”

Diébédo Francis Kéré was born in 1965 in Gando, Burkina Faso and studied at the Technical University of Berlin. His architectural practice has been internationally recognized including the Aga Khan Award for Architecture (2004) and the Global Holcim Award (2012).

Kéré continues to reinvest knowledge back into Burkina Faso. He is dedicated to improve the lives of people through innovative and sustainable architecture. He combines traditional building techniques and locally-sourced materials with modern and innovative engineering methods.



Burkina Faso is incredibly vulnerable to climate change and pollution. Sustainability is needed to guarantee positive development not only today but also for future generations. It is BIT's mission to educate a new generation of leaders and it is crucial that these leaders also pioneer climate action and responsibility. BIT educates students about the importance of sustainability and acts as a role model.

Combating desertification & climate change with trees



Climate change is rapidly leading to the desertification of sub-Saharan Africa. This reduces the fertility of soils and increases the severity of both droughts and floods. The best way to combat this issue is by planting trees. In the short term, trees reduce soil erosion and improve the quality of the soil. In the long term, trees mitigate the effect of carbon emissions and target the heart of the problem. The 1,000 trees we planted on our campus also provide much-needed shade, create a tranquil environment and a good source of nutritious food.

Reducing plastic pollution



Plastic pollution is a global problem. In Burkina Faso a rapid increase in the use of plastic due to globalization and imports can not be handled, as the infrastructure needed to collect and recycle trash is missing. One main use of plastic is bottled water. BIT addressed this issue this academic year by raising awareness and providing all of its students and staff with reusable water bottles that can be filled from a solar powered well on BIT's campus. Additionally, BIT has a high energy trash incinerator to sustainably dispose of trash.





BIT Electricity Upgrade - Reliable & Renewable

Development often goes hand in hand with an increase in CO₂ emissions, which are driving climate change and all its negative impacts. Burkina Faso is already extremely vulnerable to climate change. BIT hopes to get it right from the outset by educating leaders that will build an economy based on sustainability.

BIT aims to be a green campus by fulfilling its energy needs mostly with solar power. The integrated solar and battery storage system is the backbone of a reliable energy supply to the campus that allows the students to learn and live without frequent power outages. To ensure a 100% reliability of supply to critical infrastructure the system is connected to a modern and low-emission DEUTZ Gen-Set for backup.

HEP is a long-time supporter of the BIT and donated and installed a first solar system in 2019. Currently, HEP is planning the installation of a second solar system in 2022 that will mainly serve the energy demands of our student dormitories. The system will produce about 60kWp and includes over 100KWh of battery storage to cover the specific dorm load patterns. An integrated energy management system will allow us to optimally manage the supply sources and demands and also provide a great learning opportunity for our more senior electrical engineering students.





Teams:

- Accelerator
- Mentorship
- Computer Science
- Electrical Engineering
- Mechanical Engineering
- Lab construction
- Internships
- Career Development Service
- IT
- Social Media
- Admin

The Stern Stewart Institute

Alexandra Ciosinska, Alexander Kout,
Anja Deucker, Anna Pertl, Charlotte Kotowski,
Chris Riedel, Christopher Olsienkiewicz,
Christopher Postler, Christoph Sieker, Elena
Stahlhut, Florian Moormann, Franziska Weinmann,
Henri Blumenthal, Holger Wessel, Insa Quast, Dr.
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Johannes Nyari, Johannes Thiemann, Julian
Delhougne, Dr. Konrad Hoppe, Lucas Kindermann,
Lukas Miebling, Lukas Münzel, Mandy Hubrig,
Marcien Charlier, Dr. Markus Hauptenthal, Matthias
Becker, Maximilian Ide, Maximilian Mörtl,
Maximilian Rosenfeld, Moritz Kagerer, Nadia Riedl,
Niklas Schmogro, Peter Krysta, Petra Palmisano,
Rainer Tietze, Raphael Asamer, Sebastian
Oelighoff, Sibö Sollors, Simon Pflüger, Stefan
Schott, Stefanie Schrader, Teresa Reich, Tim
Maurer, Tim Schwarz, Timo Haug, Uta
Stratmann, Vanessa Bleil, Yannick Dammer

- Fundraising
- Cost planning
- Female Empowerment
- Executive Education
- Design Master curriculum
- Construction of Dorms
- Mentorship of startup
Telemedicine
- Mentorship of startup IT
consulting

BIT would not have been possible without the support of our sponsors and partners.
Thank you!

- Conny and Jochen Körber
- Cris and Pep Guardiola
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- Michael Brockhaus
- Ponke Thomas
- Ramona and Hans-Peter Massen
- Rotary Club Graz
- Rotary Club München Nymphenburg
- Sabine and Thomas Kusterer
- Wanching and Rainer Scholz



Technische Universität München



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SCHLOSS ELMAU

The Stern Stewart Institute



Education is the key to a prosperous future

At BIT we believe that education is the best way to create a future generation of leaders: A group of young individuals that will steer Burkina Faso towards success. We need your help in order to provide students with the facilities, the knowledge, and the mindset they need to become these leaders. By supporting BIT, you give motivated students the chance to flourish and act as a catalyst for positive change in Burkina Faso.

We are still growing

While BIT is already creating a significant impact, we are not done yet!

Moving forward, we are building a laboratory, more dorms and auditoriums. We are creating a Career Development Service and an Executive Education Program.

We are designing a Master program which will meet industry requirements. And lastly, we will help our two new startups on their journey.

These expansions require your help! BIT aims to maximize its impact by continually growing as an Institute. However, we cannot do this alone and are extremely thankful for any support that we have received and that we will receive going forward.

Support us today!

The Stern Stewart Institute e.V.
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PLANTS

We are planning to plant 200 new trees on our campus in the coming years. You can donate shade to our students by contributing 30 € per tree (incl. digging, fertilizing, water supply).

BOOKS

In Burkina Faso, books are in short supply, but much needed for our students. Donate 100 books as an initial stocking of our library for 2,500 €.

LABORATORY MATERIALS

For our electrical engineering class, we are building up a laboratory where students can get hands-on experience with electrical applications. Contribute 5,000 € and help us to educate much needed engineers for the country.

PRACTICAL EXPERIENCE

Part of our students are pursuing international internships in Ghana or Côte d'Ivoire. Support their experience with a 460 € grant each; for accommodation, food, and international transport.

LAPTOPS

For our 120 new students this year, we are in need of 120 laptops for 500 € each. Contribute to educating a new generation of IT personnel for Burkina Faso.



HOW YOU
CAN

AUDITORIUM

We just finished constructing auditorium buildings for our students, holding 200 and 100 people respectively. Help us in scaling up and increasing the number of students we can educate. The buildings are named after you if you contribute at least 30% of the cost. The cost of a 100 people auditorium is 200,000 €.

SCHOLARSHIPS

We are a non-profit university, but still need tuition fees to finance our operations. Help out one student by providing full scholarship (3,000 € / Bachelor) or (1,000 € / 1 year).

ACCOMMODATION

By the end of 2020 we will start constructing on-campus student housing to ease the application of students from other cities and to vitalize the campus life. Help us in covering the construction costs. The buildings are named after you. The cost of housing for 8 students is 60,000 €.

CHAIR FINANCING & NAMING

As a non-profit university, we need sponsors that help us bring our vision to life. For the most avid supporters of our project we are offering the financing and naming of our computer science, electrical engineering and mechanical engineering chair. Level-up our impact in Burkina Faso with your yearly contribution of 60,000€ per Chair.

“ Education is the most powerful
weapon you can use to change the
world.”

Nelson Mandela

bit



www.bit.bf

