

TTC - MESTRADO EM MICROBIOLOGIA APLICADA IE - MESTRADO EM MATEMÁTICA APLICADA ECONOMIA & GESTÃO ITT – ENGENHARIA BIOMÉDICA E BIOFÍSICA IE - OPCIONAL PARA 2º CICLO

FCUL - 2017/2018

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Summary

- Gestão de expectativas
- Emprego versus negócio.
- Empreendedorismo versus TTC. Inovação Versus Empreender
- A valorização económica do conhecimento técnico-científico.
- A indústria versus a Universidade.
- Conceitos e definições base.
- Ferramentas de gestão e técnico-científicas.
- Soft skills e vantagem no mercado actual.

WHAT YOUR COLLEAGUES HAVE TO SAY ABOUT THIS

"This course motivated me to think about my future career and the importance of the start ups. I think that the course was one of the best courses I ever had in my education history. It opened my mind and helped me to developed my soft skills which will be more helpful in my future life than "dry" academic knowledge." Erasmus Student, IE 2016

"I found this subject the most important of all. Doesn't matter what you study, all of us should complete this subject. The passion of the teacher Is very helpful and motivating. I guess (...) we should have had more meetings with successful entrepreneurs (...). Good job!" Erasmus Student, ITT 2016

WHAT YOUR COLLEAGUES HAVE TO SAY ABOUT THIS

"Esta disciplina do ponto de vista curricular é um achado. Apesar de dar muito trabalho, acho que estimula o desenvolvimento de capacidades fundamentais e que irão fazer toda a diferença no futuro profissional. Abre os nossos horizontes para a inovação e o empreendedorismo, estimulando a criatividade num ambiente descontraído. Graças ao constante feedback construtivo da professora, isto permite que os alunos percebam onde devem e como podem melhorar. Durante semanas de testes e relatórios, uma pessoa habitua-se a arranjar tempo para treinar para uma apresentação e um projeto de IETT o que permite exercitar time management e organização." Master Student, IETT 2017/2018

"Adorei, acho que isto é muito mais do que uma cadeira, é uma experiência, Obrigada!" PhD Student, Empreendedorismo 2016

PRECONCEIVED IDEAS

We all have them!

• Are they any useful?

"Don't have any preconceived ideas about anything. Life is not predictable and anything imaginable is possible. Dare to imagine, dare to dream and then dare to put in the hard work to enjoy the process of making reality happen." Chan Hon Goh, former

ballerina

TRUTH ONLY REVEALS ITSELF WHEN ONE GIVES UP ALL PRECONCEIVED IDEAS

SHOSEKI

PICTUREQUOTES. com

PICTUREQUVTES

1st Preconceived idea

A job is better than starting my business

Job Vs Business

 Someone (employee) that delivers services to another one, either a physical or legal one (employer), in a subordinated way, on a personal basis, recurrently and paid for.

Job Vs Business



Job Vs Business

- WHY?
 - Levels of Comfort zones (are they really comfortable?)
 - Financial?
 - o Structural?
 - o Others? Time management?
 - What are we missing?
 - Fast learning track
 - Impact
 - Power to decide our lives

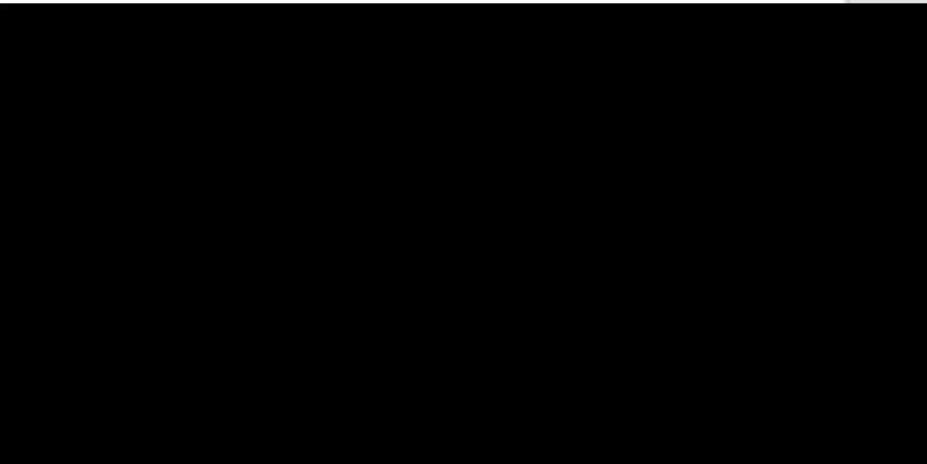
2nd Preconceived idea

Entrepreneurship is not for me!

ENTREPRENEURSHIP

WHAT IS IT TO YOU?

ENTREPRENEURSHIP



Entrepreneurship

• *Entrepreneurship* is the practice of starting new organizations or revitalizing mature organizations, particularly new businesses generally in response to identified opportunities. Entrepreneurship is often a difficult undertaking, as a vast majority of new businesses fail. Entrepreneurial activities are substantially different depending on the type of organization that is being started. Entrepreneurship ranges in scale from solo projects (even involving the entrepreneur only part-time) to major undertakings creating many job opportunities

(source: wikipedia)

• Entrepreneur: the art of taking something at risk

Entrepreneurship

 Entrepreneurship – the pursuit of opportunity beyond the resources one currently has under control (source: Berkley, 2006)

Management process NOT only an individual characteristic

The Process of Entrepreneurship Identify Need

Opportunity

Solution Unfair advantage

Acquire Technology rights People Money

ENTREPRENEURSHIP

DO WE NEED SPECIAL PERSONALITY TRAITS?

OR

CAN THEY BE DEVELOPED?

Entrepreneurs



ENTREPRENEURSHIP

CAN YOU NAME YOUR FAVOURITE ENTREPRENEUR?

TYPES OF ENTREPRENEURSHIP

INTRAPRENEURSHIP



Google







3rd Preconceived idea

Startups are small companies

STARTUP Vs SME

• Are they the same?

Is a Startup a company?

Small Business'

Start-Ups

Small Business'



Permanently established.

Successful business model.



In search of a unique and profitable business model.



Long-term potential for success.



More traditional methods, take less risk.



Long-term potential for success.



Temporary nature.



Extremely innovative.



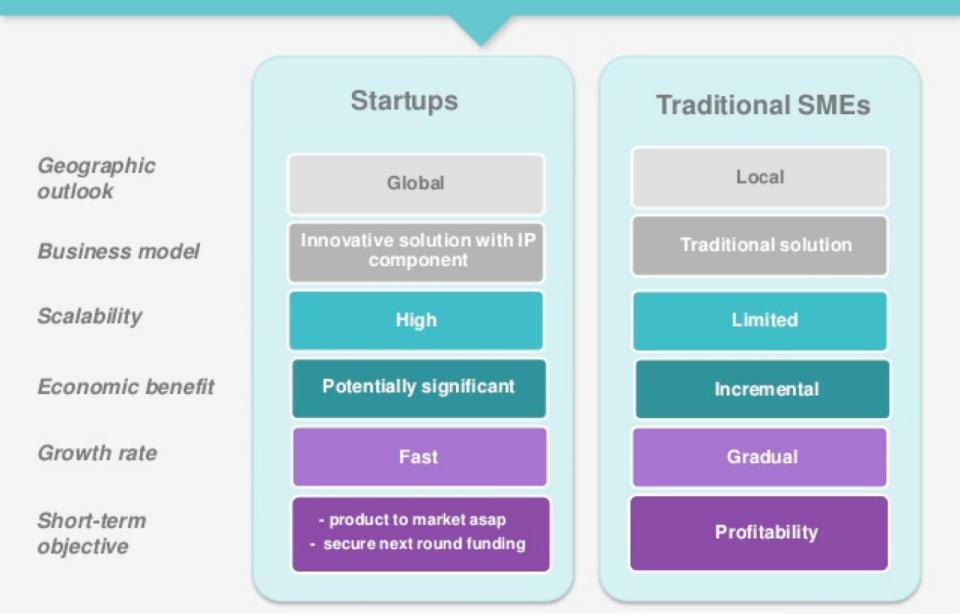
Non-traditional financial methods and strategy.

Start-Ups

Incredibly risky.

STARTUPS VS SMES





4th Preconceived idea

Innovation is just a fancy name!

INNOVATION



EXPLOITATION

INVENTION

┿





INNOVATOR + ENTREPRENEUR

http://www.youtube.com/watch?v=IZKhZmvJuZY

INNOVATION

More detail to come next week!

5th Preconceived idea

Technology transfer is a cool technology!

Technology transfer is the process of sharing skills, knowledge, technologies, methods of manufacturing, samples of manufacturing and facilities among governments and other institutions to ensure that scientific and technological developments are accessible to a wider range of users who can then further develop and exploit the technology into new products, processes, applications, materials or services.

- Output Can be done in different formats/values
 - Entrepreneurial (Economic Valorization)
 - Altruíst (Scientific Dissemination of Knowledge)

How Should we (Must we) see Science?



TTO FUNCTIONS:

Coordinate

Nurture

Link

Constituents of Technology Transfer Processes

- 1. Technology Transfer
- 2. Technology Promotion
- 3. Technology Deployment
- 4. Technology Innovation
- 5. Technology Development
- 6. Technology Research
- 7. Technology Assessment
- 8. Technology Information and communication
- 9. Technology Investment
- **10. Technology Collaboration**
- **11. Technology Commercialization**

Does knowledge have an economic value?

• K2B, I-Teams, BioTeams....

Why?

Option or Duty?

• What tools are we missing?

TOOLS WE NEED TO VALUE K

- Management
- Technical/Scientific
- Other?
 - Atitude?
 - Soft Skills?
 - Critical analysis?
 - Negotiation SKills?
 - IP?

6th Preconceived idea

Industry & Academia are 2 worlds apart!

Industry Vs University

• 2 worlds apart?

Rythm?

• Focus?

• Competencies?

7th Preconceived idea

I have all I can when I finish my degree!

CAREERS

CAREER PATHWAYS Building a database of possibilities **p.847** CRANTS Agency limits awards for the well-funded **1.647** NATUREJOBS For the latest career listings and advice www.aturejobs.com

ANDRIM DAKEN/GETT



Pick a path

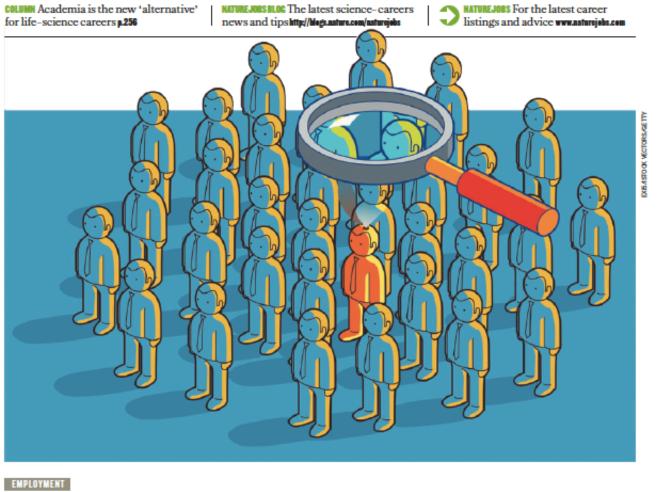
NATURE, Vol. 512, 29th January 2015

other jobs are available and how to get them. Career-guidance sources range from faculty mentors, advisers and other informal support to university-based counselling offices, postdoctoral offices and paid career coaches such as Edwards. But all have pros and cons (se 'Career counsellors'). Faculty mentors are well acquainted with the scientists they mentor and the research that their protégés conduct, but are likely to know a lot less about the workforce. And although counselling offices and coaches are tightly focused on the job-search process, the offices often have limited resources, and coaching fees can be out of reach for junior scientists who have little cash to spare. It is difficult to decide which route to pursue, but career-guidance professionals in all arenas warn that young researchers today need support and advice no matter its source.

It is tough for some early-stage scientists to accept that they should get help in creating and implementing a career-development strategy, says Janet Metcalfe, head of the international career-development programme Vitae in Cambridge, UK. "We still find it very difficult to get postgrads to get professional careers advice," she says, and she thinks that the reason is mainly emotional. "By going for careers advice, they are acknowledging that they may not get into an academic career."

A survey that Vitae published in 2013 found that about four-fifths of postdocs aspire to a job in academia and that three-fifths expect one, but Metcalfe says that only about one-fifth wind up there. Vitae estimates that there are

CAREERS



PhD overdrive

An excess of graduates means that job-seekers need to be versatile.

NATURE, Vol. 511, 10th July 2014

YOU HAVE A PROBLEM: TECHNICAL COMPETENCES DO NOT LAND YOU A JOB OR GUARANTEE SUCCESS!

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Alex McClafferty Contributor



I cover the process of success, entrepreneurship and public speaking. full blo →

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TREPRENEURS 10/21/2014 @ 6:00AM | 19,932 views

6 Soft Skills That Guarantee Your Success

+ Comment Now + Follow Comments

I failed 'Introduction to Java' in my first year of college and gave up software engineering for good.

Lists

In spite of this, I co-founded a successful WordPress support service.

Three things have helped me succeed as a first-time entrepreneur. The first is luck and the second is my co-founder, Dan. The third?

Soft skills.

In this post, I'll outline six soft skills that will help you succeed as an entrepreneur, why they matter and where you can learn more about each skill.



Search

Forbes, 21 October 2014 (http://www.forbes.com/sites/alexmcclafferty/2014/10/21/soft-skills/)



A Importância das soft skills na vida profissional

A progressio protectional depende cada vez mais das designadas soft skills

Distanto Viso | 1902/0215 | 11.12

Desde a mítica frase dos anos 90 "litre on attitude, train on skills" (recrute com base em atitudes [soft skills] e forme nas competências [técnicas]) que se vem falando da importância das designadas soft skills ou attitude traits (traços de atitude) na gestão da carveira.

São designadas de noft skilla as competitucias não técnicas como a capacidade de comunicação, de criação de empatia e confança com as pessoas, capacidade de realibiacia ou de techniko em ambiente de incerteza. A oficiare fraze de recrutamento dos anos yo está relacionada com o facto de ner mais simples formar as pessoas deutro das empresas nas competitucias técnicas, do que fasi-lo nas competitucias atitudinais, e into porque estas últimas dependem de diversos factores tais como maturidade, inteligência emocional, especiências de vida, historial familias.

Ou seja, estas competências estão enveluadas no indivíduo, afectam toda a sua vida quer no âmbito pessoal ou profusional, e são desta forma mais resistentes à mudança pois são padrões, traços da nome personalidade que forma sendo aprendidos e cristalizados ao longo de anos. Por vezes a sua origem remosta a defesas que foram cristias face a ambientes familiares hostis ou situações concretas decorridas na influcia, sendo hoje utilizadas de forma inconsciente.

A vida atual nas empresas decorre a um ritmo frenktico, num ambiente de constante mutação, tormando ainda mais vitais estes traços. Desta forma, não aendo novo o tema, ele é onda vez mais pertinente. O planeamento a limgo pesas deu lugar à necessidade de reinvenção constante, ao uso da cristividade diariamente, à total interdependência e concetividade das pesacos.

A abrenção ou trabalho ao nivel das noit skills apresenta um nivel de dificuídade superior nos das características técnicas, mas não é impossível. Englisha uma fase inicial de tomada de consciência das atitudes a desenvolver, a definição de um plano de ação e o uso de determinação na promecução diária dos objetivos. O apoio profissional (através por exemplo de sendes de conshing) é determinante acheetudo para a tumada de consciência e identificação do plano de ação.

Por Luisa Agante, Professora do The Lisbon MBA

Contratio Vivo

Dinheiro Vivo, 16th February 2015 (http://www.dinheirovivo.pt/Imprimir.aspx?content_id=4403566)



HOW TO: Quit Trying to Make Everyone on Your Team an Entrepreneur

@ 4 min read

Q

10 Toxic Words You Must Not Say in a Job Interview



Image credit: What What | Filckr

BERNARD MARR

Author, Keynote Speaker and Consultant in Strategy, Performance Management, Analytics and Big Data

in





FEBRUARY 12, 2015

LinkedIn Influencer, Bernard Marr, published this post originally on LinkedIn.



Entrepreneur, 12th February 2015 (http://www.entrepreneur.com/article/242809)

Major skills employers look for/successful people have:

- 1. Know how & technical competencies (25%)
- 2. Project management skills (23%)
- 3. Top verbal and written communication(15%)
- 4. Organizational skills (14%)
- 5. Interpersonal relationship skills (13%)
- 6. Resilience

K2B e SWOT

TTC/IE

K2B, Pitches & Cases

- 1. Written Communication
- 2. Verbal Communication
- 3. Different languages
- 4. Management by goals TTC/IE
- 5. Emotional Inteligence & Conflict management
- 6. Entrepreneurship & Failure management
- 7. Leadership and Team management K2B
- 8. Critical analysis Case Studies
- 9. Negotiation Skills TTC/IE, K2B, Cases
- 10. Innovation & continuous learning TTC/IE
- 11. Knowledge management TTC/IE

K2B TTC/I

THIS IS WHY WE WILL PUSH YOU OUT OF THE BOX, OUT OF YOUR CONFORT ZONE!

LEARNING BEGINS WHEN YOU FEEL UNCONFORTABLE...

Think Different

