



جامعة التعلم الافتراضي
VIRTUAL LEARNING UNIVERSITY



Dipl. Ing. Badr Ikken

Co-founded IRESEN, the Institute of Research in Solar Energy and New Energies where he is the actual Director General. Prior to IRESEN he serves the Moroccan Agency for Solar Energy (MASEN) as Director of Integrated Development, in charge of Industrial Integration and R&D. He established in 2016 the largest solar research platform in Africa, the Green Energy Park, and launched the construction of new R&D and innovation platforms: the Green & Smart Building Park, the Green Energy Park Morocco-Côte d'Ivoire and Green H2A. He also led the initiative on Power-to-X and e-mobility in Morocco as well as the development and production of the first solar car port charging station and e-chargers. Badr Ikken's backgrounds lies in Mechanical Engineering and Industrial Production and Solar Systems. He earned his engineering degree with distinction from Berlin Institute of Technology (TU). He is appointed as Chief Technology Officer (CTO) at the multinational Lunos-Raumluftsysteme, developed and launched two new production lines in Germany with expanded production in China before coming back to his country Morocco. Actually he is président exécutif de Gi3 - Green Innov Industry Investment / Managing partner de Gi2 – (Consulting and engineering firm in energy transition)

Syllabus

Social Entrepreneurship and sustainable Innovation

Courses description

Course objective

Topics covered and Out of Class Assignments

Obviously, "COVID19 pandemic" and the "climate change", have shown huge deficit in dealing with complex social and environmental problems respectively. As a matter of fact, the two global issues deserve further reflection at different levels, therefore, it's necessarily to imagine novel concepts of business model in the entrepreneurs delivering social, environmental and economic impact. This Syllabus clarify the definition and meaning of Social Entrepreneurship and environment. We focus on new skills, knowledge, innovative and effective approaches to solve complex and pressing social problem in a sustainable way. Based upon my experience gained as executive director of IRESEN (Research Institute for Solar Energy and New Energies), we will discuss examples of groups who share similar ideas about a particular topic to eventually form a team (e.g. INESC TEC's initiative). Other Social Entrepreneurship and green innovation opportunities will be identified and deeply discussed. The objective is to develop and to bring new services and technologies, that fit the Moroccan sustainable development Strategy are brainstormed



Delivery & Duration

Online Classes | Bachelor/Master/PhD | # Months : # hrs/Week

Who this programme is for

Graduate students (Bachelor, Master, PhD)

Certificate

Upon completion of a course, and once the participation has been verified, the candidate will receive an electronic certificate to download, print, and keep in his records Signed by the VLU/Dipl. Ing. Badr Ikken

Topics Covered & Learning Outcomes

Topics Covered
 Definition of Social entrepreneurs
 Profit, low-profit, and non-profit jurisdictions
 Frugal Innovation and social entrepreneurs
 Philanthropist and social entrepreneurs
 Entrepreneurship and management
 Sustainable Innovation
 IRESEN projects and social entrepreneurship
 Sociology and ethics of engineers

Learning outcomes
 •Acquire deep, adequate knowledge, and skills to identify, plan and develop social enterprise project with social impact
 •to explain, discuss and analyse the concept of social entrepreneurship with particular interest to sustainability, economic, social, and environmental development
 •Gain and demonstrate a high level of understanding and knowledge of various ecosystems and interrelationships between human health and environmental quality
 •To share efficient methodology to innovate
 •to generate innovative ideas and find social solutions, products, processes and/or models to the benefit of society for its economic, social and environmental development

Media Tools

Virtual courses / Zoom management by Sabaek for Education & Training (Bahrain)

Textbook(s) and other reading materials

R. Bleischwitz, P. J.J. Welfens, Z. Zhang, International Economics of Resource Efficiency: Eco-Innovation Policies for a Green Economy, Physica, 2011
 A. C. Brooks, Social Entrepreneurship: A Modern Approach to Social Value Creation, Pearson, 2008
 A. Counts, Changing the World Without Losing Your Mind, Revised Edition: Leadership Lessons from Three Decades of Social Entrepreneurship, Rivertowns Books, 2021
 P. Gabriel, Social Entrepreneurship and Innovation: International Case Studies and Practice, KOGAN PAGE, 2016
 A. Hargadon, Sustainable Innovation: Build Your Company's Capacity to Change the World (Innovation and Technology in the World Economy), Stanford Business Books, 2015
 R. D. Hisrich, C. Kearney, Managing Innovation and Entrepreneurship, SAGE, 2013
 C. Krosinsky, T. Cort, Sustainable Innovation and Impact, Routledge, 2018
 M. Schukla, Social Entrepreneurship in India: Quarter Idealism and a Pound of Pragmatism, SAGE, 2020

Application Deadline

Send an e-mail to _____ to receive zoom invitation