

BIOGRAPHY

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Assoc. Prof. Thanh-Lam Nguyen is now working as the Vice Rector of Lac Hong University (LHU) located in Bien Hoa City, Dong Nai Province, Vietnam. He is also the key contact point and coordinator of international projects that LHU joins as a HEI partner. He was awarded with Taiwan Government Scholarship for his Ph.D. study at National Kaohsiung University of Applied Sciences (which is now NKUST) during 2011-2014. His research interests include: statistics, fuzzy statistics, quality management, manufacturing process monitoring, performance evaluation, business administration, and education quality assessment.

BIOGRAPHY

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Le Hoang Anh received the B.E. degree in Electronics and Telecommunication from Lac Hong University in 2005 and the M.S. degree in Electronic Engineering from Ho Chi Minh City University of Technology and Education in 2012. His research interests include Robotic and Automation. He is currently working at Faculty of Mechatronics and Electronics, Lac Hong University. He is now the head of Lac Hong Design Factory.

Learning Ecosystem for Education 4.0: Results from EMVITET Project

ABSTRACT

Education 4.0 is a new concept in Vietnam that has been mostly mentioned and discussed recently in relation to the Industry 4.0 revolution with the prominence of digital technology applications in all fields. Rapid changes in the working environment caused by this revolution are enlarging the gap between graduates' competences and the requirements of work life. Traditional teaching and learning methods are insufficient in supporting students to effectively handle the significant increase in the study-load within the limited learning period in formal education. More importantly, these traditional methods do not put enough emphasis on developing students' life-long self-learning ability. Thus, the competences of teachers and vocational/higher education institutions need to be upskilled and new learning ecosystems need to be established where all aspects of education support Education 4.0 principles. Teachers need to learn to collaborate with their colleagues and other networks in order to create new competences and expertise. Furthermore, in Education 4.0, all stakeholders, especially students and work life representatives, need to be engaged. Thus, as a Capacity Building for Higher Education project funded by ERASMUS+, the Empowering Vietnamese Teachers for Transformation towards Education 4.0 (EMVITET) claims that "Education 4.0 shifts mindsets and approaches in learning and teaching. Digitalisation enables learning to occur anywhere which makes learners key actors of their own learning. Teachers change their role to facilitators of learning. Instead of focusing so much on degrees, learning concentrates on relevant competences. Education 4.0 refers also to ecosystems of educational institutions and the world of work, which produce innovations and evolve in the change. It means that in education we do not just adapt to changes, but we actively build our own meaningful future. In Education 4.0, the

traditional ways of implementing education are not enough, but we need to rethink learning and education to match the needs of the changing world”.