

Report - Technical Cooperation Amazonas State University

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The Universidade do Estado do Amazonas (UEA) (free translation: Amazonas State University) is currently constituted at the biggest multicampi university of the country, being present in all municipalities of the state interior, with courses offered upon local needs and demands and held in the on-site modality and brokered by technology (web conference system). The maintenance of the institution's activities of education and research is fully guaranteed by the collection of the percentage of taxes and contributions of around 550 industries installed in the free zone of Manaus.

In order to attend the formation needs of the industry that finances UEA, the university offers 15 Engineering courses, such as Mechanical Engineering, Production Engineering and Naval Engineering, among others. For the increase of this offer the university firmed fundamental partnerships, such as with Samsung, global company of information technology, which constructed in the university a laboratory of technological development worth 40 million reais. Besides Korea, the company's world headquarters, the Centro de Capacitação Samsung Ocean (free translation: Samsung Ocean Training Center) only exists in São Paulo and now in UEA in Manaus, being the only one installed inside a university.

With a modern visual image and installations, the Ocean was inspired in the architecture of the large design companies of the world and qualify startup, game developing and mobile applications aspiring entrepreneurs.

The partnership between the Amazonas State University (UEA) and SAMSUNG was officially signed in december 2013, having as objective the establishment of a program of extensive cooperation and scientific and technological exchange, covering activities of research, development,

formation and training of human resources in science and technology, provision of scientific and technological services and the sharing of facilities and equipments.

Over the past five years, the partnership resulted in actions and fruitful products in the scope of the work plans that were established for the various stages of its development, among which we highlight:

- Wide Training Program in several Engineering areas: New Products Engineering, Industrial Mechatronics, Mobile and Converged Networks Telephony, Mechanical Manufacturing Process and Computer Engineering. In the context of the program 40 scholarships were offered for graduate students, 100 postgraduation vacancies for Samsung employees and 100 vacancies for the community in general.
- Implementation of the Samsung Ocean Center/UEA in June 2014, with the goal to attract, develop and improve skills in the state of Amazonas, with the focus on developing applications, games for portable systems, mobiles and distributed and education, by free, short-term intensive courses. The training programs of Samsung Ocean/UEA are based in 03 pillars: application development for mobile devices based on the Android and Tizen operating systems, game development and entrepreneurship. Since the creation of the technological center, over 30.000 participants went through 1.300 trainings. In addition, nearly 50 projects were qualified and pre-accelerated.

Implementation of the technological development center similar to the Ocean for the program Universidade Aberta do Sistema Único de Saúde (UNA-SUS) (free translation: Open University of the Single Health System) and the Programa

Telessaúde Brasil Redes (free translation: Telehealth Brazil Networks Program). The modern center was created having as focus the development and trial of technologies to enable the confrontation of the matter of access to permanent formation and education in health in remote, vulnerable and difficult access areas, with instable provision or insufficient internet. The main product of this action was the creation of an app based in the distribution of packages of educational content and of health through the internet, in the HTML5 format. The content is stored in the wearer's mobile device (smartphone or tablet) and stays available for offline use. The wearer's interaction is recorded and later sent to the server to account for the qualification efforts and professional updating. These actions and products, resulted from the fruitful cooperation between UEA and Samsung are in force until february 2019, with the perspective of renovating the partnership.

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