

Involvement of Stakeholders in the R&D and Innovation Process in Developing Country Context: An Analysis of the Nigeria Innovation System

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Abstract : The study was designed to evaluate the business development and transfer of technologies to small manufacturing companies by research institutes in South Western Nigeria. The study covered all the industrial research institutions with headquarters in South Western Nigeria. The study showed that the involvement of scientists in innovation process was rated highest in the idea generation (4.14) and idea screening (4.29) phases; high in R&D (3.86) and fairly high in pilot plant development (2.71) and commercialization (2.43) phase. Their involvement was rated low in business analysis and development (2.14), and test marketing (2.29) phase. The involvement of engineers was rated highest in idea generation (3.28), fairly high in R&D (2.71), pilot plant development (2.57), and idea screening (2.40) phases. However, their involvement was rated low in business analysis and development (2.0), test marketing (2.0), and commercialization (1.28) phases. The involvement of technology marketers in innovation process was generally rated fairly high in R&D (2.7) and business analysis and development (2.6), and low in all the other phases of innovation. However, their involvement at IAR&T, FIIRO, and NIOMR in all the phases was rated very high (3.0-5.0). The involvement of entrepreneurs was generally rated from fairly high to low (2.7-2.3) in all the phases of innovation. The involvement of financial institutions in all the phases of innovation was generally rated low (1.28-1.71). In conclusion, the study showed that the involvement of stakeholders like entrepreneurs and financial institutions in technology packaging for commercialization is very low.

Keywords : research institutes, national innovation system, Nigeria, entrepreneurs, financial institution

Conference Title : ICITKE 2014 : International Conference on Innovation, Technology and Knowledge Economy

Conference Location : Cape Town, South Africa

Conference Dates : November 06-07, 2014