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Empirical Estimation of Mincerian Wage Equation for Engineering Technologies and Polytechnic Engineering Skills in Balochistan

Engineering technologies and polytechnic engineering diplomas are sought for earnings, decent work, employment, and other socio-economic prospects by the individuals. This paper empirically estimates Mincerian Wage equation for 21, 18, and 16 years of engineering education, and 13 years of engineering diplomas education of qualified individuals in the context of labor markets in Balochistan. Full pledge questionnaire was designed for cross sectional primary data collection from approximately 150 qualified engineers through three stages of stratified sampling technique. Statistical methodology of ordinary least square model and instrumental variable approach was used to estimate the relationship between income earnings of different levels of engineering education. The empirical estimation indicate the magnitude of income earnings in percentages that accrue to an engineer by getting one year of additional/extra of engineering education in the context of Balochistan. The earnings estimated of different engineering degrees in public and private sectors and its employment provision sets new direction of wage prospects for the qualified engineers. The results of this study also highlights the impacts of newly announced policy of employment generation by the Pakistan Engineering Council, in case of earnings, for the qualified engineers. The empirical results may contribute to the literature of engineering education, its empirical estimates of earnings, employment aspects of engineering technologies, human capital theory, and human resource development on theoretical, methodological, and empirical bases.

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