REVISION OF G.C.E. (A/L) ELECTRONIC CURRICULUM TO SUIT THE REQUIREMENT OF MODERN INDUSTRY

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In order to develop the productivity of a country, standard electronic industry is a vital necessity. It is an obvious fact that the practical electronic knowledge should be developed. The main objective of this research is to modify the G.C.E. (A/L) electronic experiments to give necessary practical knowledge which is essential for modern electronic industry.

Initially pilot survey was conducted to identify the situation of Sri Lankan electronic industry. Basically two electronic companies were used in Kandy industrial park. Information related to the industry were obtained from Arthur C Clark institute of the modern technology Katubedda, Moratuwa. Then an administrated survey was conducted to identify the required electronic knowledge of employees and gathered their suggestions. This survey was carried out using forty six higher level employees who work in six electronic factories. Higher level employees were selected for the survey, as assembly workers do not need any electronic knowledge.

The survey indicated that these employees do not have a proper electronic knowledge. They do not need deep electronic knowledge and only need basic practical knowledge. The reason found out to be poor practical knowledge given at school level. Thus it is proposed to introduce new simple experiments to the A/L electronic syllabus.

Using these new experiments students could gain knowledge on the subject and its applications as well. These new experiments could be proposed to introduce to the G.C.E. (A/L) electronic syllabus easily as it does not require any special requirements. Therefore the proposed experiments can be used to enhance student's interest in electronics & it can lead to better productivity in the future.