

USES OF DATA BASES AND GRAPHIC SOFTWARE IN CAD
IN THE CONTEXT OF LOCAL MANUFACTURING INDUSTRY

R.L.M.J. Tatnayake
The Open University, Nawala.

Although a great number of software packages have been developed in the countries with comparatively advanced technologies, these cannot be directly made use of in the local context, mainly because of the non-availability of a wide selection of engineering materials and a large variety of manufacturing processes.

Graphic software necessary for the designing of mechanical engineering components can either be in the form of a set of programme libraries or separate packages of drafting software. A study was carried out to store designed parameters in a file that can directly be used in the most versatile drafting package available in Sri Lanka. The purpose of this paper is to discuss the results emerging from the above mentioned study.

In addition, the stages involved in the creation of a data bank for designing standard mechanical components will be discussed.