

**DESIGN OF THE ELECTRICAL INSTALLATION SERVICES  
OF A MEDICAL CENTRE.**

**PROJECT REPORT SUBMITTED BY  
PANICOS G. LAZARI**

**In part satisfaction of the award  
of Diploma of Technical Engineer in  
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**Project Supervisor : Mr Ch. Chrysafiades  
Lecturer in Electrical  
Engineering, H.T.I.**

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## SUMMARY

This project deals with the electrical services of a Medical centre regarding:

- (I) Illumination design work in order to decide the quantity, type and luminaires in accordance with (IBS code).
- (II) Location of emergency lighting in proper place for safety purposes.
- (III) Design of lighting power circuits based on the <sup>16th</sup> ~~15th~~ edition of I.E.F. regulations in corporate amendments up to June 1978.
- (IV) ~~A proper stand-by U.P.S. is selected to provide electricity when the supply from E.A.C. has failed~~

In carrying out the design, the I.E.E. wiring Regulations 15th Edition were taken into account.

In calculating the illumination levels, the CIBS code recommendations were taken into account. CYTA and EAC requirements were taken into consideration.

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