DEVELOPMENT OF A VARIABLE D.C (0-15V, 5A) REGULATED POWER SUPPLY

Project report submitted by

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ABSTRACT

This textbook deals with the design, construction testing and calibration of a variable d.c supply.

The power supply unit offers an overcurrent protection.

After investigations of suitable circuits which looked to be promising the one most suitable was selected. The investigations, selection and operation of the circuits are shown analytically in chapter 2.

The construction of the PCB and all the relevants are shown in chapter 3.

After completing the construction testing was carried out. All the results are shown in chapter 4.

Fault finding procedure is shown in chapter 5.

Conclusions and suggestions are also included in the text in chapter 6.

The Appendices include some necessary calculations, data sheets and characteristics of components.

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