VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590 014

A REPORT ON PROJECT WORK

ROTATING LED MESSAGE DISPLAY SYSYEM

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ABSTRACT

The project is a rotating LED message display system which displays messages programmed in a microcontroller. There is no user input for the system, the different messages will scroll, with respective intervals/delays by the microcontroller itself which is already programmed by the user; the microcontroller is programmed using the 80C51 programmer. The code is written in C language using the Visual C++ software. This circuit needs s to be mounted onto the mechanical structure [rotating disc] where it displays the messages that are stored in the microcontroller as indicated in the codes. The disc is rotated using a two phase motor, the motors speed is kept constant by usage of a IR sensor. The messages can be changed as per user need by rewriting the microcontroller's in-built memory. The complete display system circuit is battery -run on 9V which is provided externally, whereas the motor requires 220 V AC to function. This unique way of displaying messages is a very eye catching; therefore its uses can in the field of advertising, toys, etc...