The dissertation entitled "EMBEDDED SYSTEM APPLICATION: CONTROLLING OF WEB CAMERA USING AT89C51" is divided into three chapters.

The first chapter entitled Introduction to Microprocessors and Development of Microcontrollers is purely introductory. This chapter comprises of a brief review on the evolution of microprocessors and development of microcontrollers. Also included in this chapter is the use of microcontrollers in embedded systems.

The second chapter highlights the hardware details of a specific microcontroller used in the present work. This chapter also includes explanation of the electro-mechanical component: Stepper motor and the web camera.

The details of hardware and software developed in the present work for the embedded web camera control are described in the third chapter. Results and discussions are included at the end of this chapter.

A list of publications on the further work done is also included.

Data sheets of the major ICs used in the present work are included in Appendix-A and that of different types of web cameras and their specifications are given in Appendix – B.