

**JOYSTICK PROGRAMMING AND CONTROL
OF A ROBOT-ARM**

Project Report Submitted by

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SUMMARY

- General familiarization with the Alpha II + robot- arm was made which was the first objective of the project.
- Investigation into the general use of robots and application in Industry was recorded on the following chapters.
- A joystick was fitted and calibrated by the use of the appropriate programs provided. Familiarization with the joystick programming.
- Writing programs on the Alpha II by using the joystick control.
- A valve feeder was designed and constructed and a cylinder head of a car engine was used for valve handling operations by the robot-arm.
- Programs were developed and tested for handling and positioning the valves with high accuracy.
- The joystick programs were then debugged and optimized.

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