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**AN ISO 9001:2008 CERTIFIED TRAINING INSTITUTION**

**NETTUR TECHNICAL TRAINING FOUNDATION**

**PROJECT REPORT**

**ON**

**AUTOMATIC MATERIAL SORTING MACHINE**

**PROJECT DONE BY**

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**DIPLOMA IN MECHATRONICS (CP15)**

**2014-2017**

**NTTF ELECTRONICS CENTRE (NEC)**

**#40/40A ELECTRONIC CITY, HOSUR ROAD,**

**BANGALORE-560-100**



**AN ISO 9001:2008 CERTIFIED TRAINING INSTITUTION**

**NETTUR TECHNICAL TRAINING FOUNDATION**

**CERTIFICATE**

This is to certify that the project titled

**AUTOMATIC MATERIAL SORTING MACHINE**

Is a bonafide report of the project work done by

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In partial fulfillment of the requirement for the award of **DIPLOMA IN MECHATRONICS** under the institution **NETTUR TECHNICAL TRAINING FOUNDATION,** Electronics center, during the Academic year 2014-2017.

PROJECT GUIDE COURSE HEAD EXTERNAL EXAMINER PRINCIPAL

**ACKNOWLEDGEMENT**

We feel privileged to acknowledge the contribution of several peoples for the successful completion of mechanical design and electronics design of the project.

We are great full to **Mr. K VENUGOPAL (DIRECTOR, NTTF)** for formulated the notion of the project work and facilitated us to know something more besides our regular practical curriculum. We would like to use this opportunity to thank **Mr. SURESH. N,(PRICIPAL, NTTF, NEC)** for extending his official support for the progress of the report. **Mr.GIRIDHAR** (**VICE PRINCIPAL, NTTF, NEC)** who given us idea about report making and Presentation. **Mr**. **ARUL SELVEN (Deputy Managing Director),** who guided us in our Project regarding all the things. We sincerely thank **Mr. SHIJU GANGADHARAN** (project in charge, NEC-NTTF). **Mr**.**AJITH (**Assistant Manager Trg). Who had given us idea about Programming and Circuit. **Mrs. SIREESHA DEVI M.M** (Assistant Manager Trg). **Mr. A.PALANI KUMAR** (CP15 Course Head) for their co-operation and hard work in arranging this project work.

We would like to utilize this opportunity to express our gratitude to all the staff members of NEC NTTF for supporting us during all the activities, proceedings and successful completion of our project.

**SYNOPSIS**

As the part of our final year curriculum, we have selected MSD Project named **“AUTOMATIC MATERIAL SORTING MACHINE”** the main aim of our project is to provide a good maintenance in the lifting applications and to prevent from accidents.

This project consist of an Two L298 drivers in which it is capable of controlling the Four dc motors to drive the link, conveyor and separator. By using the Three IR sensors we can able detect object and inductive senor is to detect metal and non-metal.

This project mainly used in industries, factories. It is fully automated system connected with each other .it is a fastest working module up to now in industries.

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