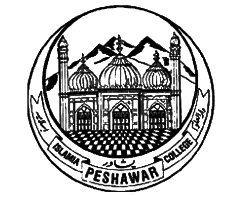
**ALGORITHM IMPLEMENTATION OF UPC-A BARCODE READER USING MATLAB**

****

**Submitted By**

Muhammad Usman Akhtar BS (2380)

**Supervised By**

**Mr. Jamil Ahmad**

Session 2009-2013

**DEPARTMENT OF COMPUTER SCIENCE ISLAMIA COLLEGE UNIVERSITY OF PESHAWAR**

**FINAL APPROVAL**

This Is To Certify That The Thesis Submitted By Mr. Muhammad Usman Akhtar. Are Approved And Recommended As Partial Fulfillment For The Award Of Bachelor In Computer Science From The Department Of Computer Science , Islamia College University, Peshawar.

**External Examiner**  **Supervisor**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Department of computer science Islamia Mr. Jamil Ahmad**

**College Public Sector University Peshawar Lecturer**

**Head of the department**

**\_\_\_\_\_\_\_\_\_­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Department of computer science Islamia**

**College Public Sector University Peshawar**

**DEPARTMENT OF COMPUTER SCIENCE**

**ISLAMIA COLLEGE PESHAWAR**

**(A PUBLIC SECTOR UNIVERSITY)**

**Acknowledgement**

Project success is due to keeping in mind that nothing is impossible 'Just do it' & The success of project depends largely on the encouragement and guidelines of our Professor jamil ahmad. Whom attitude to the people who have been instrumental in the successful completion of this project.

Felt motivated and encouraged every time attend his meeting. Without his encouragement and guidance this project would not have materialized.

The guidance and support received from all the team members including Professionals & well-wishers. who contributed and are contributing to this project, was vital for the success of the project. Grateful for their constant support, help & giving the time from there busy routine.

Muhammad Usman Akhtar

BS(2380)

**Project in Brief**

**Project title: Implementation of UPC-A Barcode Reader Using Matlab**

**Organization:** Islamia College University Of Peshawar.

**Undertaking By:** Muhammad Usman Akhtar.

**Supervised By:** Mr. Jamil Ahmad.

(Department of Computer Science)

(Islamia College University Of Peshawar)

**Tool Used**: Matlab-7, Matlab r2012a, PC-Webcam.

**Operating System**: Windows 8, Windows 7,XP.

**System used:** Core i3, P-4

**Date Started:**  20 March, 2013.