

To whomsoever it may concern

This is to certify that **HASIN ALAM** has carried out the research work presented in the thesis entitled “**Development of a Sensor System & Its Applications**” for the award of the Degree of **Doctor of Philosophy (Ph.D.) in Electronics Engineering** from **Integral University, Lucknow** under our supervision. It is also certified that:

- (i) The thesis embodies the original work of the candidate and has not been earlier submitted by us or any other candidate elsewhere for any degree.
- (ii) The candidate worked under us for the prescribed period.
- (iii) The thesis fulfills the requirements of the norms and standards prescribed by the Integral University, Lucknow.

Signature of Supervisor

Full Name : Dr. S. Hasan Saeed
Designation: Professor & Head
Address: Department of Electronics & Communication Engineering
Integral University, Lucknow
Date:
Place: Lucknow

Signature of Co-Guide

Full Name : Dr. Mohd Jawaid Siddiqui
Designation: Professor
Address: Department of Electronics Engineering
Z.H.C.E.T, AMU, Aligarh
Date:
Place: Aligarh