

**ADAPTIVE LOSSLESS DICTIONARY  
BASED COMPRESSION**

**Thesis**

**SUBMITTED TO THE  
BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY  
LUCKNOW**

**FOR THE AWARD OF THE DEGREE OF**

**Doctor of Philosophy**

**IN**

**COMPUTER SCIENCE**

**BY**

**SEEMA GUPTA**

**Under the Supervision of**

**DR. DEEPA RAJ**

**Asst. Professor**

**Department of Computer Science  
School of Information Science & Technology**

**BABASAHEB  
BHIMRAO  
AMBEDKAR  
UNIVERSITY**



**LUCKNOW**

**प्रज्ञा शील करुणा  
ESTABLISHED 1996**

**DEPARTMENT OF COMPUTER SCIENCE  
BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY  
(A CENTRAL UNIVERSITY)  
VIDYA VIHAR, RAEBARELI ROAD  
LUCKNOW-226025 (U.P.) INDIA**

**2017**