

**It is hereby certified that**

**Caroline Elizabeth Whale**

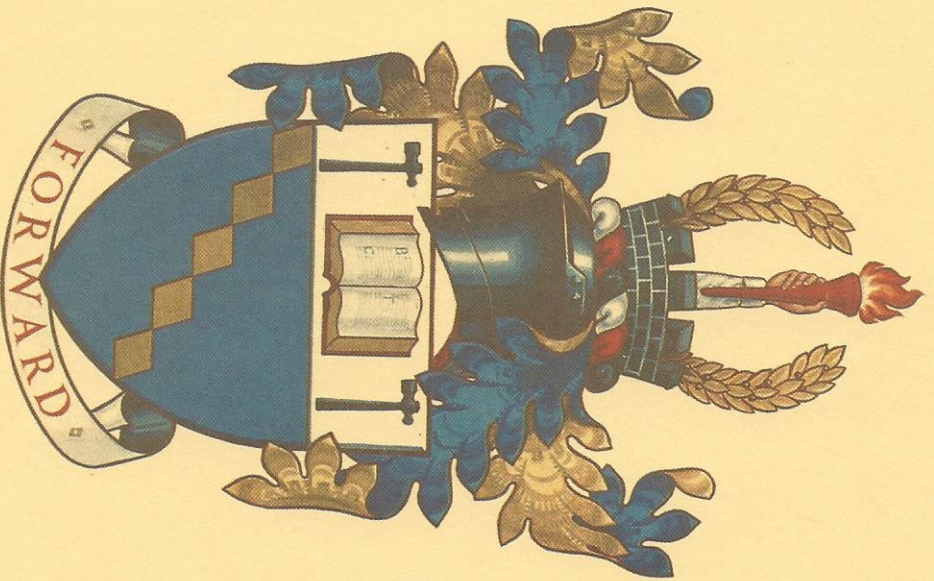
**having successfully completed a programme of study in**


**Managerial and Administrative Studies  
with integrated industrial/professional training**

**was on the Ninth July 2001  
awarded the Degree of**

**Bachelor of Science  
with First Class Honours**

**and was admitted to the degree at a Congregation  
held on the Eighteenth day of July 2001**



  
**ASTON**  
**UNIVERSITY**

*Ms. [Signature]*

Vice - Chancellor