

The student details are given as follows:

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The files of Hussein thesis folder are explained as follows:

- **Thesis Main Title:** Performance Modelling and Evaluation of Active Queue Management Techniques in Communication Networks
- **Thesis Subtitle:** The development and performance evaluation of some new active queue management methods for internet congestion control based on fuzzy logic and random early detection using discrete-time queueing analysis and simulation
- **Collection:** The collection file includes the information about Abstract, Dedication, Acknowledgement, Supervisors, List of Publications, List of Figures, List of Tables, Abbreviations and Symbols
- **Chapter 1:** Introduction of the thesis
- **Chapter 2:** Review of Congestion Control Methods
- **Chapter 3:** Simulations of Some Active Queue Management Methods
- **Chapter 4:** A Dynamic RED Algorithm Based on an Adaptive Maximum Threshold
- **Chapter 5:** Fuzzy Logic Controller Algorithms Based on RED
- **Chapter 6:** Discrete-time Queue Analytical Models Based on Different AQM Algorithms
- **Chapter 7:** Conclusions and Future Work

- **References:** References of the thesis