Microprocessors lab ECSE444

Lab 6 Demo sheet

Group No:

Student Name: Student ID: Grade: /8
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1. **Demonstrate correct functionality of the code as follows:**   (**5 marks**)
   - Are the microphones working correctly?   (1   mark)

   - Is button working properly?   (0.5 mark)

   - How is the audio quality?   (up to 2 mark)

   - DFSDM setting: (1.5 mark)

     offset: *oversampling:*

     divider: *right bit shift:*

2. **Coding** <u>**requirements**</u> **and** <u>**understandings**</u>**, configuration, program flow and correctness.**   (**3 marks**)
   - DAC value range   (1   mark)

   - DAC configuration   (0.5 mark)

   - Microphone input and output frequency range   (1.5 mark)

   - DPM, DFSDM   (0.5 mark)

   - How is the audio input data managed?   (0.5 mark)