

Student URN/Name

6772766

Grade

Module

EEEM030

Speech and Audio Processing and Recognition

Unit of Assessment

Coursework

Section 1

What has been done well (in relation to the assessment criteria)

You did well on the following components, including LPC coefficient estimation, plots of filter response and speech amplitude spectrum, mean fundamental frequency estimation, formant frequency estimation, periodic pulse train generation and speech synthesis, and evaluations on different filter order and segment lengths. Excellent.

Section2

How you may strengthen future work

Informal subjective assessment of speech quality of the synthesized speech – e.g. discussion of the artefact in the resynthesized speech.
Provide more details about how the fundamental frequency was estimated & better to automate the calculation using methods such as autocorrelation.

Section 3

General comments

Marker's name:

Prof Wenwu Wang

Second marker's comment:

Any additional perspective that might be of help.

Annex

Criteria (10% each)	Marks
M1: LPC coefficient estimation;	10
M2: Plots of filter response and speech amplitude spectrum;	8
M3: Formant frequency estimation;	10
M4: Mean fundamental frequency estimation;	5
M5: Periodic impulse train generation and speech synthesis;	9
M6: Evaluations on different AR orders and segment lengths;	9
M7: Informal subjective assessment;	7
M8: Quality of presentation and references;	7
M9: Quality of your programming code;	8
M10: Quality of synthesized speech samples.	7
Overall	80