```
function sample_seq = GenerateSamples(bit_seq,fs)
%
% Inputs:
%   bit_seq:    Input bit sequence
%   fs:         Number of samples per bit
% Outputs:
%   sample_seq: The resultant sequence of samples
%
% This function takes a sequence of bits and generates a sequence of
% samples as per the input number of samples per bit

sample_seq = zeros(fs, length(bit_seq));

%%% WRITE YOUR CODE FOR PART 2 HERE
for n = 1:length(bit_seq)
    sample_seq(:,n) = bit_seq(n);
end
%%%
```