19BSM404P- MATLAB										
Teaching Scheme					Examination Scheme					
L	T	P	C	Hrs/Week	Theory			Practical		Total Marks
					MS	ES	IA	LW	LE/Viva	
	--	2	1				25	50	50	100

OBJECTIVES

1. To develop applications using the Matlab software.

2. Able to test and debug codes written in Matlab and would be able to draw different kinds of plots.

List of practicals

(i) Code for prime numbers.
(ii) Evaluation of sine, cosine, exponential and logarithmic series.
(iii) Operations in matrices.
(iv) Gauss elimination method.
(v) Gauss Jordan method.
(vi) Least square approximations.
(vii) Bisection methods.
(viii) Newton Raphson Method.
(ix) Secant and Requla-falsi method.
(x) Graeffe's root squaring method
(xi) Bairstow method.

OUTCOMES

1. Understand the basic concept of Matlab programming.
2. To develop know-how in creating applications using the Python Programming language
3. To be able to understand the various data structures available in Python programming language and apply them in solving computational problems.
4. Ability to create robust applications for solving computational problems using the Python programming language
5. Ability to test and debug applications written using the Python programming language.
6. To be able to draw different kinds of plots using PyLab and generating series