Lesson Plan

Name of the Faculty	:	Ms. Nidhi
Discipline	:	EEE
Semester	:	IV
Subject	:	Mathematics-III (BSC-MATH -204G)
Lesson Plan Duration	: (from	m Jan., 2020 to April , 2020)

** Work Load (Lecture) per week (in hours): Lectures-02

Week	Theory		
	Lecture Day	Topic (including assignment/test)	
1 st (04/01/20) To (11/01/20)	1 st	Solution of polynomial and transcendental equations – Bisection method	
	2 nd	Newton-Raphson method and Regula-Falsi method	
2 nd (12/01/20) To	1 st	Finite differences, Interpolation using Newton's forward and backward difference formulae	
(19/01/20)	2^{nd}	Newton's divided difference and Lagrange's formulae	
3 rd (20/01/20)	1^{st}	Numerical integration, Trapezoidal rule	
(27/01/20)	2 nd	Simpson's 1/3rd and 3/8 rules Assignment-1	
4 th (28/01/20) To	1 st	Taylor's series	
(03/02/20)	2 nd	Runge-Kutta method of fourth order for solving first and second order ordinary differential equations	

5^{th} (04/02/20)	1 st	Finite difference solution of two dimensional Laplace
To (11/02/20)		oquation
(2^{nd}	Poission equation
th		
6^{m}	1 st	Implicit and explicit methods for one dimensional heat
To		equation (Bender-Schmidt and Crank-Nicholson methods),
(19/02/20)	2 nd	Finite difference explicit method for wave equation
7 th	1 st	Probability spaces, Conditional probability
(20/02/20)		Assignment-2
(27/02/20)	2^{nd}	Bayes' theorem
oth	1 st	
8 (28/02/20) To	1	Discrete random variables, Bernoulli distribution
(06/03/20)	2^{nd}	Binomial distribution
9 th	1^{st}	Poisson distribution, Poisson approximation to the Binomial
(07/03/20) To		distribution
(14/03/20)		Assignment-3
	2^{nd}	Expectation of discrete random variables, Moments
10 th	1 st	Variance of a sum
(15/03/20) To	2^{nd}	Correlation coefficient, Continuous random variables and
(22/03/20		their properties
11 th	1 st	Distribution functions and Densities
(23/03/20) To	2 nd	Normal, Exponential and Gamma densities
(30/03/20)		

th th	et	
12 ^{un}	1 st	Measures of central tendency, Moments
(31/03/20)		
(31/03/20)		Assignment_1
То		Assignment-4
(06/04/20)		
	and	
	2"	Skewness and Kurtosis
1.2th	1 St	Trading of the sector for the site of the sector for the sector fo
15	1	Testing of hypothesis, Test of significance
(07/04/20)		
To (and	
10	2	Large sample test for single proportion, Difference of
(14/04/20)		proportions
14 th	1 st	Difference of propertions. Tests for single mean
14	1	Difference of proportions, rests for single mean
(15/04/20)		
То	2^{nd}	Difference of means and Difference of standard deviations
(22/04/20)		
(22/04/20)	, et	
15 th	1 st	Test for ratio of variances, Chi-square test for goodness of
(23/04/20)		fit and Independence of attributes
10	2^{na}	
(30/04/20)		Assignment-5
		Assignment-5
16 th	1 st	DEVISION OF SVI LADUS
10	1	KEVISION OF STLLADUS
(01/05/20)	and	DEVISION OF SVLLADUS
То	2	KEVISION OF STLLABUS
(0.1/05/20)		
(04/03/20)		