University of Mumbai
R.P.Gogate College of Art and Science and
R.V.Joglekar College of Commerce, Ratnagiri

Add on course Syllabus
Introduction to Biostatistics

Sr. No.		Topic	No. of Lectures
Unit 1: Introduction to Biostatistics			**6 lectures**
01.	a)	Scope and Applications of Biostatistics	1 lecture
	b)	Common Statistical terms	2 lectures
	c)	Representation of data: • Graphical representation • Tabular representation	3 lectures
Unit 2: Descriptive Biostatistics			**10 lectures**
02.	a)	Measures of central tendency: • Mean • Median • Mode	6 lectures
	b)	Measures of dispersion: • Range • Mean deviation • Standard deviation • Variance • Standard error	4 lectures
Unit 3: Biostatistical Hypothesis testing			**11 lectures**
03.	a)	Introduction: • Important terms • Process of hypothesis testing • One tailed and two tailed tests • Type I and Type II error	2 lecture
	b)	Z- test	1 lecture
	c)	Student's t- test • Paired • Unpaired	3 lectures
	d)	chi-square test • Goodness of fit • Independence of attributes	5 lectures
Unit 4: Practical: Introduction to Microsoft Excel			**3 lectures**