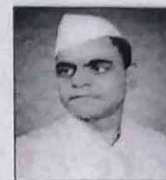**Janata Shikshan Sanstha's**
Kisan Veer Mahavidyalaya, Wai
Department of Statistics

CO's for First Year UG
AY 2022-23
Revised as per NEP 1.0

Course Title	Course Outcomes
Descriptive Statistics – I	1) meaning and scope of Statistics, various statistical organizations 2) data and types of data, various data presenting methods 3) population, sample and various methods of sampling, 4) various measures of central tendencies and dispersion, 5) moments, skewness and kurtosis.
Elementary Probability Theory	1) distinguish between random and non-random experiments 2) acquire knowledge of concepts of probability 3) use the basic probability rules, including additive and multiplicative laws 4) understand concept of conditional probability and independence of events. 5) understand concept of univariate random variable and its probability distributions 6) acquire knowledge of mathematical expectation of univariate random variable.
Descriptive Statistics – II	1) correlation coefficient and interpret its value. 2) regression coefficients, interpret its value and use in regression analysis. 3) qualitative data including concept of independence and association between two attributes 4) vital statistics and concept of mortality and fertility and growth rates.
Discrete Probability Distributions	1) bivariate discrete distributions, independence of bivariate r.vs., Mathematical expectation of bivariate discrete random variable. 2) one point distribution, two point distribution, Bernoulli distribution, 3) Uniform distribution, Binomial distribution, Hypergeometric distribution,

	4).Poisson distribution, Geometric distribution and Negative binomial distribution
Practical Paper-I	1) acquire knowledge of computations using MS-Excel. 2) represent statistical data diagrammatically and graphically. 3) compute various measures of central tendency, dispersion, moments, skewness and kurtosis. 4) compute correlation coefficient, regression coefficients. 5) understand consistency, association and independence of attributes. 6) interpret summary Statistics of computer output. 7) know applications of some standard discrete probability distributions. viii. compute the various fertility rates, mortality rates and growth rates.

Head

Department of Statistics

Principal