

SYLLABUS

of the

Value-added Course

STATISTICS IN PHYSICAL EDUCATION USING SPSS (PESSVAC 002)

(w.e.f. 2022-2023)



Offered by:

THE DEPARTMENT OF PHYSICAL EDUCATION AND
SPORTS SCIENCE

Panskura Banamali College

(AUTONOMOUS)

Panskura R.S., Purba Medinipur
West Bengal – 721152

COURSE INFORMATION IN BRIEF

Course Name:	<i>STATISTICS IN PHYSICAL EDUCATION USING SPSS</i>
Course Contents:	Application of SPSS (statistical package for social sciences) in physical education
Course Type:	Value-added Course (Optional, additional, and not a part of the CBCS curriculum)
Medium:	English
Mode:	Offline
Intake:	Minimum 10; Maximum 30
Eligibility:	M.P.Ed/ M.Sc in Sports Science or allied disciplines
Duration:	30 hours (to complete within a time span of 2 months)
Course Fees:	Rs. 500/-
Coordinator:	SRI. SUBHASHIS BISWAS
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Structure & Contents

Group-A Theory (Statistics in physical education)

1. Introduction to statistics, definition, need and importance of statistics, application of statistics in physical education
2. Data- type of data- population-sample-sample size- procedure of data collection- distribution pattern-parametric and non-parametric test- comparison- correlation- ANOVA, different types of ANOVA, ANCOVA- Practical application with realistic example.

Group-B Practical (Application of SPSS software)

1. Installation and run SPSS
2. Data- types of data- data import – variables- different types of normality test- Parametric test-non parametric test-correlation-regression-graphical representation- interpretation

Suggested Readings

1. *J. P. Verma (2016). Sports Research with Analytical Solution using SPSS. John Wiley & Sons, 30-Mar-2016*