

St. Xavier's University, Kolkata

Faculty of Arts and Social Studies,

Department of Psychology

Value Added Course: Basics of Psychometry

Course Title: Basics of Psychometry

Dates: 30th July 2024 – 6th November 2024

Course Coordinators: Dr. Moumita Mukherjee and Dr. Ritesh Kumar

No. of Credits: 2

Total no. of Hours: 30 hours

Overview of the Course:

"Basics of Psychometry" was designed to provide students with a comprehensive understanding of psychological assessment tools and their administration. Spanning four modules, the course emphasized practical application, theoretical grounding, and critical interpretation of psychometric tools. The following is an overview of the course, including its structure and key highlights.

Module 1: Introduction to Psychological Assessment

The first module laid the foundation for the course by introducing students to the principles and purpose of psychological assessment. It covered the theoretical frameworks underlying psychological tests, and the ethical considerations in administering and interpreting these assessments. Students were familiarized with concepts such as reliability, validity, standardization, and norms. The module also included discussions on the diverse applications of psychometric assessments across clinical, educational, and organizational settings. This module aimed at establishing the foundation for understanding subsequent topics.

Module 2: Assessment of Intelligence with SPM Administration

The second module focused on assessing intelligence, with a specific emphasis on the administration and interpretation of the Standard Progressive Matrices (SPM). Students were introduced to the concept of intelligence and its measurement, along with an overview of SPM as a non-verbal intelligence test. Practical sessions were conducted, where students administered the SPM on subjects to gain hands-on experience. The module concluded with guidance on scoring, interpretation of results, and reporting.

Module 3: Assessment of Aptitude with Administration of Differential Aptitude Test

The third module concentrated on aptitude assessment, centering on the administration of the Differential Aptitude Test (DAT). Students learned the significance of aptitude testing in educational and vocational guidance. The module provided a detailed walkthrough of the various subtests within DAT, including verbal reasoning, numerical ability, spatial relations, and more. Practical exercises involved of the administration and focused discussion of scholastic aptitude comprised of verbal reasoning and numerical ability subtests. This allowed students to administer selected subtests, analyze scores, and understand their implications for career counseling and decision-making.

Module 4: Assessment of Personality with EPQ-R Administration

The final module addressed personality assessment, with a focus on administering the Eysenck Personality Questionnaire-Revised (EPQ-R). The theoretical foundation of personality theories was discussed, followed by an introduction to the EPQ-R and its underlying dimensions: extraversion, neuroticism, psychoticism, and the lie scale. Students practiced administering the EPQ-R and interpreting results to understand personality profiles.

Course Outcomes:

The course successfully equipped students with foundational knowledge and skills in psychometry. By the end of the program, they had gained the ability to administer and interpret SPM, DAT, and EPQ-R effectively. Emphasis was placed on ethical and professional considerations, ensuring students understood the importance of maintaining confidentiality and cultural sensitivity. The practical focus of the course fostered confidence in handling psychometric tools, and participant feedback indicated high levels of satisfaction with the program's structure and delivery. This course contributed significantly to enhancing their competence in psychological assessment.