



CENTRE FOR INNOVATIVE SKILL BASED COURSES (CISBC) OPEN LEARNING DEVELOPMENT CENTRE (OLDC)



Department of Distance and
Continuing Education
School of Open Learning, Campus of
Open Learning
University of Delhi, Delhi-110007

Certificate Course in Applied Psychometrics and Scale Construction

INTRODUCTION

Psychometric Course has been designed to improve understanding of psychological assessments through focus on scale construction, evaluations and interpretation of scores. Proficient and applicable skills in psychometry is essential for achievements in various setting and field such as clinical setting, schools, corporate setting, sports and child-adolescent psychology. This course is specifically tailored to help one acquire practical and applicable skills in administration and interpretation of psychometric tools that can be applied in real world and imbining confidence in individuals to use them effectively and efficiently. The course is practical, interactive and conducted in a group setting to promote collective learning and skills development.

LEARNING OBJECTIVES

- Familiarize with classical and contemporary test theories and concepts and principles to evaluate psychometric properties of tests.
- To understand when, how and why to utilize psychometric methods and tools for assessing and interpreting the outcome.
- Acquiring proficiency in statistical software for classical and modern test analysis, like factor analysis etc.
- Engaging in research inquiries related to the psychometric characteristics of tests or questionnaires.

Structure of Lesson Plan

Content	Hours	COURSE TITLE
Week 1	6	Foundations of Psychometrics and introduction to Application in Various Settings Application of Psychometry to Social Development and HR and Organizational Setting, discussion about pre-existing psychometric tests applicable in social development
Week 2	6	Application of Psychometry to Educational and Clinical setting, discussion about pre-existing psychometric tests in educational setting
Week 3	6	Scale Construction- introduction scale construction, steps to scales construction
Week 4	6	Item Analysis- how items are constructed and how they are analyzed
Week 5	6	Standardization of test- Introduction, processes and the formation of norms, scoring and criterion
Week 6	6	Ethical Consideration in Psychometry and Introduction to Project Work- Discussion on topics
Week 7	6	Project Work
Week 8	6	Project Work

Assessment shall be done based on Project (40 marks) and viva voce (20 marks), MCQs (30 marks), Attendance (10 marks).

Attendance

If attendance is 85% or above: 10

If attendance is 70% to 85%: 8

If attendance is 60% to 70%: 6

If attendance is 50% to 60%: 4

If attendance is less than 50%: 0

Eligibility:

Minimum 40 marks out of 100 is eligibility criteria for providing certificates to the students. All assessment are must to be attempted by the student for being eligible for the certificates.