



**SCHOOL OF PEDAGOGICAL SCIENCES  
MAHATMA GANDHI UNIVERSITY  
Priyadarsini Hills P.O., Kottayam,  
Kerala, India, PIN: 686560**

**ADD-ON COURSE  
ON  
STANDARDISATION OF RESEARCH TOOLS**

**Course Coordinator:**

Dr. Sajna Jaleel  
School of Pedagogical Sciences,  
Mahatma Gandhi University  
Ph: 9400573194  
Email: [sajnajaleel74@gmail.com](mailto:sajnajaleel74@gmail.com)

Promo Video: <https://youtube.com/watch?v=MIn9jjSXcV4&feature=share>

**Course Schedule:**

Day	Date	Time	Module(s)
1.	25/08/2022	4 Hours.	<b>module 1</b> Introduction – scaling in educational research session 1
2.	26/08/2022	4 Hours.	<b>module 1</b> Introduction – scaling in educational research session 2&3
3.	27/08/2022	4 Hours.	<b>module 2</b> Types of Research Tools session 1
4.	28/08/2022	5 Hours.	<b>module 2</b> Types of Research Tools session 2&3
5.	29/08/2022	5 Hours.	<b>module 3</b> Process of Standardization session 1&2
6.	30/08/2022	4 Hours.	<b>module 3</b> Process of Standardization session 3&4
7.	31/08/2022	4 Hours.	<b>module 3</b> Process of Standardization session 5

**Course Details:**

<b>Course Name</b>	Add-On Course on STANDARDISATION OF RESEARCH TOOLS (SRT)
<b>Duration</b>	7 Days (4-5 Hours per day)
<b>Start Date</b>	25 <sup>th</sup> August 2022
<b>End Date</b>	31 <sup>th</sup> August 2022
<b>Type of Course</b>	Online
<b>Mode of Delivery</b>	Video classes, Discussion forum, Virtual interaction using WhatsApp and Google Classrooms, Quiz
<b>Medium of Instruction</b>	English
<b>Nature of Course</b>	Elective
<b>Type of Course</b>	Certificate
<b>Course Objective</b>	On completion of this course the student will be able: <ol style="list-style-type: none"><li>1. To develop the ability to select appropriate tool for a research study.</li><li>2. To create tool for research study</li><li>3. To familiarize scaling in educational research</li><li>4. To identify types of Research tools</li><li>5. To understand the meaning and technique of standardization.</li><li>6. To organize and conduct standardization of Research tool.</li><li>7. To understand the characteristics of different tools</li><li>8. To develop the skill in preparation of tool in educational research.</li><li>9. To understand Need and significance of standardization in research.</li><li>10. To develop skill in analyzing and interpreting the data collected for standardization of research tool.</li><li>11. To acquaint with the preparation and analysis of pilot testing.</li><li>12. To draw conclusions or modification on the basis of pilot testing.</li></ol>
<b>Course Summary</b>	This course will provide an opportunity for participants to establish or advance their understanding of standardization of research tools through sequential process of standardization. The course introduces the scaling in educational research, characteristics of research tools, meaning of standardization and significance of standardization in research. Also, they get familiar with various types of research tools. Participants will use these theoretical underpinnings to begin the process of item selection and analysis. Thereby they can modify the tool to a standardized one.
<b>Pre-requisites</b>	Any Master's degree. The candidates are also expected to have a general awareness about Research Methodology.

<b>Evaluation Methodology</b>	Quiz (each carries 1 mark) Total Mark 25 No negative marking Practicum: 25 Minimum Pass % =50
-------------------------------	---

**Course links:**

**Register to the course at**

<https://forms.gle/aeThoeJuPHDsE8vZ8>

**Join the WhatsApp group at**

<https://chat.whatsapp.com/CwX3ucNZ46zFobjOazCuFT>

**Detailed Syllabus**

<b>Module(s)</b>	<b>Topics</b>
1	<p><b><u>INTRODUCTION TO STANDARDISATION OF RESEARCH TOOLS</u></b></p> <p>Introduction–scaling in educational research–characteristics of research tools: validity, reliability, sensitivity, economy, practicability and interest. Meaning of standardization -Need and significance of standardization in research.</p>
2	<p><b><u>TYPES OF RESEARCH TOOLS</u></b></p> <p>Types of research tools: inquiry forms (questionnaire, check list, score card, schedule, rating scale, opinionnaire, attitude scale), observation, interview, sociometry, psychological tests (achievement test, aptitude test, intelligent test, invest inventory, personality measures etc.).</p>
3	<p><b><u>PROCESS OF STANDERDISATION</u></b></p> <p>Procedure of standardization: Item selection, pilot testing, item analysis, validity and reliability evaluation, norms creation.</p>

## REFERENCE:

1. Cohen, L., Manion, L., & Morrison, K. (2018). *Research Methods in Education* (8th ed.). London: Routledge.
2. John, W. Best & James, V. Kahn. (2012). *Research in education*. New Delhi: PHI Learning Private Learning.
3. Kothari, C.R. (2010). *Research methodology: research problem*. New Delhi: New Age International Private Limited, Publishers.
4. Lokesh Koul. (1984). *Methodology of educational Research: meaning of hypothesis*. New Delhi: Vikas Publication House Private Limited.
5. Dawson, C. (2009) *Introduction to Research Methods: A Practical Guide for Anyone Undertaking a Research Project* (4th ed.). Oxford: How to Books.