

# **Madras School of Social Work**

## **Department of Psychology MSc Family Counselling**

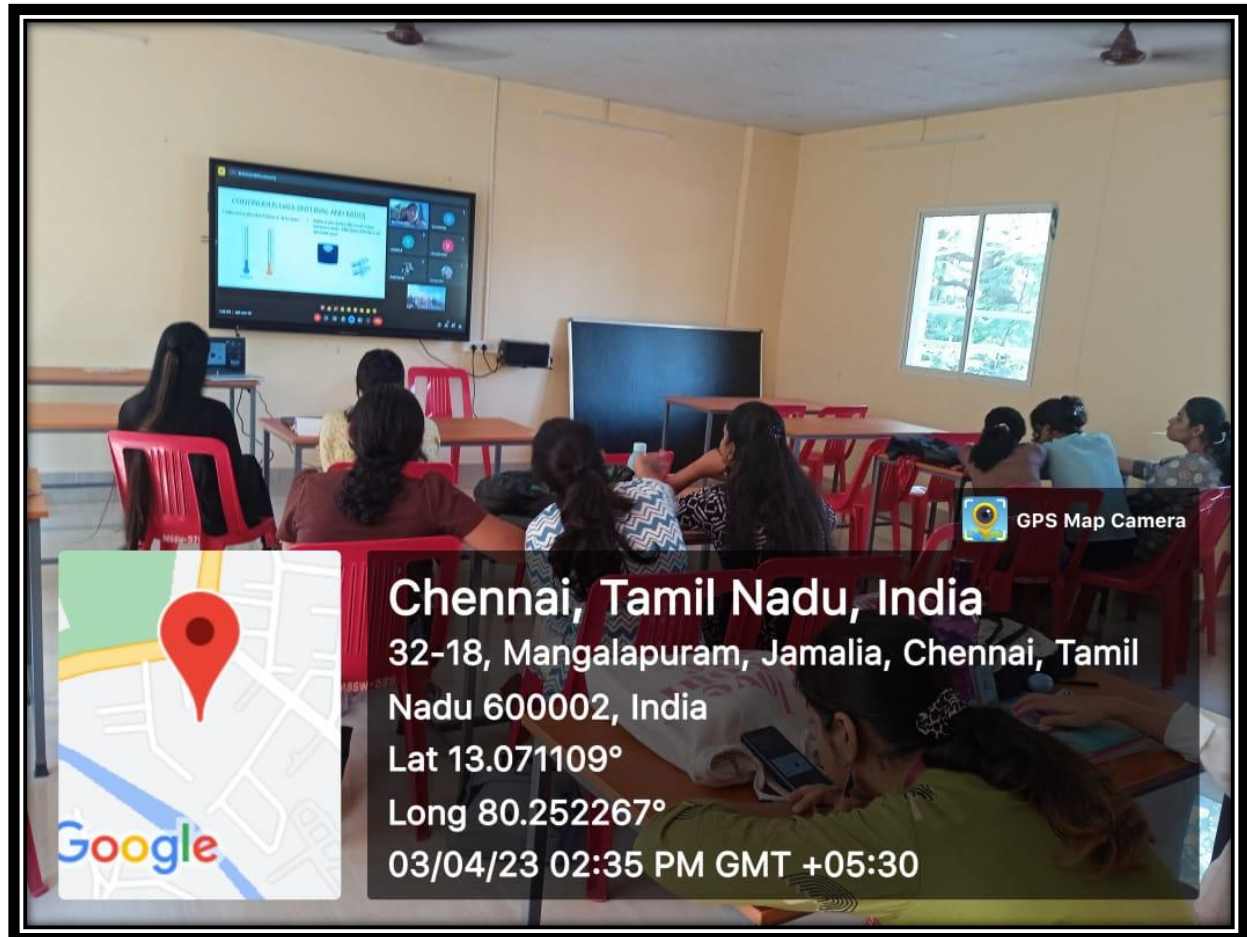
### **TOOL CONSTRUCTION WORKSHOP REPORT – 3<sup>rd</sup> April 2023**

The Department of Family Counselling organized a one-day workshop about “Test Construction & Tool Development” on 3<sup>rd</sup> April 2023. The facilitator of the workshop was Ms. Richie Simon. Ms. Riche Simon is an Assistant Professor at the Bhopal School of Science. She is a knowledgeable scholar with a lot of valuable experience in the field of research. The session was conducted on the online platform Google Meet at 1:30 pm. The students as a group attended the session through a smart board projector. The session started off with a general introduction and questions about the research. The students actively responded to all the discussion questions. The important elements of quantitative research like variables, types of variables, and scales of measurement were discussed.

After a detailed introduction to the field of quantitative research, the students were then introduced to tool construction. The total number of questions used for tool construction is around 50 items. Then the process of defining the tool was explained. The core necessities for constructing a strong instrument are having considerable validity and reliability. Validity is the accuracy of a measure. Reliability is the consistency of a measure over various types of research. Reliability is very important as you cannot assure validity if you don't develop a reliable instrument. Validity produces reliability at ease if it's correctly discovered during testing itself. Different ways of determining reliability were discussed. Test-retest method, internal consistency, Inter-rater reliability, and split-half method were the most popularly used methods for assessing the reliability of the tool. Cronbach's alpha, Raykov's rho, and McDonald's omega are used to assess internal consistency. Different ways of determining validity were also discussed. Content validity, construct validity, criterion-related validity, and discriminative validity are the different ways of assessing the validity of the tool. The role of Explanatory, Confirmatory, and Discriminant analysis was discussed.

The 5 important Ws of research questions that any researcher must consider were discussed. These five questions were who funded the research, what does the research involve, where did the research take place, when did it take place, why is the need for

research, and what makes research possible. The session ended with a discussion about the factors that influence tool development including interest, specification, measurement of concepts, level of expertise, relevance, and availability of data. All the doubts of the students were cleared at the end of the discussion. It was a great learning experience for all the students and the day ended on a positive note.



<b>Date</b>	3 <sup>rd</sup> April 2023
<b>Venue</b>	Family Counselling Classroom – NBS2
<b>No of students present</b>	24
<b>Faculty In-Charge</b>	Dr.Hannah John