

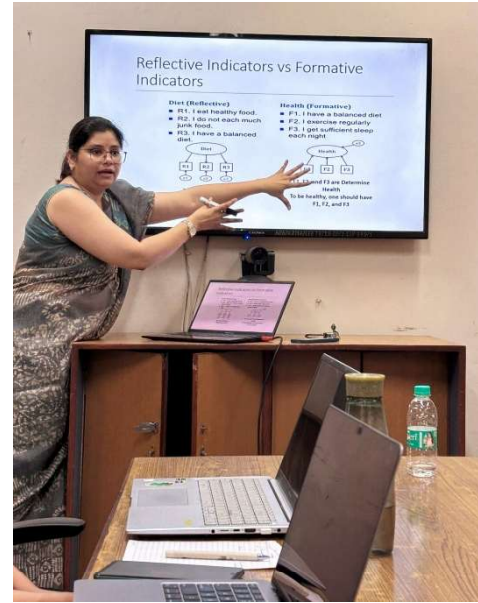
Report on Research Workshop in PLS-SEM using SmartPLS

The School of Vocational Studies (SVS), Dr. B. R. Ambedkar University Delhi, organised a two-day research workshop on “PLS-SEM Using SmartPLS” on 19-20 May 2026 at G3, Karampura Campus. The workshop was conducted from 11:00 am to 03:00 pm as an interactive and hands-on learning session. The resource person for the workshop was Ms Nishi Pathak, who shared her knowledge and experience with participants comprising research scholars and fourth-year B.Voc students. The event started with a welcome note by Dr. Renu Ghosh, Dean (Officiating), SVS, who extended her warm welcome to the resource person.

The session started with an overview of SEM and PLS-SEM, highlighting their significance in contemporary research and explaining the difference between regression, CB-SEM and PLS-SEM. Participants were introduced to key concepts such as latent and observed variables, reflective and formative constructs and the roles of independent, dependent, mediating and moderating variables in research models. The workshop further covered essential aspects of questionnaire design, data coding, data cleaning and preparation of datasets for analysis in SmartPLS.

A major highlight of the workshop was the hands-on training session using SmartPLS. Participants were guided through importing data sets, creating constructs, assigning indicators and developing structural models. Practical demonstrations enabled attendees to run the PLS-SEM Algorithm and Bootstrapping procedures and interpret the results. Detailed discussions were held on measurement model assessment, including factor loadings, reliability measures such as Cronbach's Alpha and Composite Reliability and validity assessments through AVE, HTMT and Fornell-Larcker criterion. Special emphasis on Path Coefficients, Hypothesis Testing, T-values, P-values and coefficient of determination enabled participants to develop a comprehensive understanding of model evaluation and result interpretation. The workshop concluded with an interactive discussion on reporting PLS-SEM findings in research papers and addressing the queries of the participants.





Overall, the two-day workshop proved highly informative and beneficial, strengthening participants' analytical skills and enhancing their competence in applying PLS-SEM techniques using SmartPLS for high-quality academic research.