



Fundamentals of Structural Equation Modelling with SmartPLS

Date: 13/12/2025

Time: 9:00 AM TO 3:00 PM

Venue: RK University, Kasturba Dham, Bhavnagar Highway, Rajkot

Speakers: Dr.Ashish Tanna

Targeted Audience & Participants: Students & Faculties

No. Of Participants: 90 Students & 04 Guest

Brief Description of the Event:

RK University successfully organized a one-day Faculty Development Program on “Fundamentals of Structural Equation Modelling (SEM) with SmartPLS” on December 13, 2025. The program was conducted by Dr. Ashish Tanna, who provided valuable expertise and practical insights to the participants. The session was designed to equip faculty members with a strong conceptual understanding of SEM along with hands-on experience using SmartPLS software. It focused on building a solid foundation in SEM concepts, including step-by-step guidance on constructing and validating measurement models and accurately interpreting structural model results. Participants actively engaged in the workshop and gained meaningful insights into applying SEM techniques in their research. The hands-on approach enabled them to develop essential skills in data analysis, model evaluation, and result interpretation with greater confidence and precision. Furthermore, the program encouraged participants to explore the application of SEM across diverse research domains, promoting a deeper understanding of data-driven decision-making. The interactive nature of the session facilitated discussions, problem-solving, and clarification of concepts, thereby strengthening analytical thinking. The program also served as a platform for collaborative learning, where faculty members shared their research ideas and received constructive feedback on applying SEM techniques effectively. Exposure to SmartPLS tools and real-time data analysis enhanced their confidence in handling complex research models. Overall, the FDP proved to be highly beneficial in strengthening the research and analytical capabilities of faculty members, while encouraging the integration of advanced statistical methods into teaching and research practices, thereby contributing to academic excellence at the institution.

Objective of Event:

The primary objective of the Faculty Development Program was to provide participants with a comprehensive understanding of the fundamentals of Structural Equation Modelling (SEM) and its practical application using SmartPLS software. It aimed to enhance faculty members’ analytical and research skills by enabling them to construct, assess, and interpret measurement and structural models effectively. Additionally, the program sought to promote the use of advanced statistical tools in academic research, fostering a data-driven and research-oriented approach among faculty members.

Outcome of Event:

The Faculty Development Program successfully enhanced participants' understanding of Structural Equation Modelling (SEM) and its application using SmartPLS software. Faculty members developed practical skills in constructing, validating, and interpreting measurement and structural models with greater accuracy. The hands-on training improved their confidence in applying advanced statistical techniques in research. Overall, the program strengthened their analytical capabilities and encouraged the adoption of data-driven approaches, leading to more robust and high-quality research outcomes.





A handwritten signature in blue ink that reads 'Vishvesh Kanabar'.

Mr. Vishvesh Kanabar

Event Co-ordinator
Associate Professor,
School of Pharmacy,
RK University.

A handwritten signature in blue ink that reads 'Pravin R. Tirgar'.

Dr. Pravin R. Tirgar

Director and Professor,
School of Pharmacy,
RK University.