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Ami Raval is an accomplished professional, holding a Master of Science degree in Analytical Chemistry from Department of Chemistry VNSGU, Surat, India, M. Phil (Chemistry) and Ph. D. (Chemistry) in 'solubility and stability of hydrophobic drugs in amphiphilic block copolymers and non-ionic surfactants to optimize the media for drug release from the biodegradable polymeric matrix drug elution kinetics from medical device's at VNSGU, Surat, India. Her career commenced in 2007 at Sahajanand Medical Technologies Ltd., where she joined the Research & Development department as a Research Officer. Presently, she serves as the Lead Research Scientist, overseeing new analytical method development, verification, validation, technology transfer, regulatory requirements for drug-device combination products.

With an extensive tenure exceeding 18 years in the medical device industry, she has made significant contributions, evidenced by her publication record in national and international journals within related fields. Her research pursuits on various facets, encompassing the study of different hydrophobic drugs, the development of different analytical methods for the variety of instrumental techniques like polarography, spectroscopy, and chromatography. Her expertise extends to the development of *in-vitro* and *ex-vivo* drug release methods for the biodegradable polymers coated medical devices like drug eluting stents and drug coated balloons for the cardiovascular and peripheral applications.

Beyond fundamental research in analytical chemistry, she demonstrates proficiency in facilitating successful technology transfers and the seamless execution of projects transitioning from analytical development experimentation to quality control implementation. Additionally, she actively engages in refining existing QC methods, optimizing analytical practices, and spearheading the development of advance analytical methodologies primarily directed towards medical devices, particularly within the domain of drug-eluting endovascular stents and balloon catheters.