When the criminal leaves shoeprints in the crime spot, Scientific Evidence Officer (SEO) usually takes photographs of the shoeprints to record the criminal evidence. Recording the images in a correct orientation is important for the subsequent investigations. However, the shoeprints may be left in an inaccessible area or on a particular surface that the SEO can take pictures only in a dissatisfactory orientation. We have developed an automated framework for shoeprint image rectification that does not require expensive hardware and is easy to operate, and the rectified images are comparable to those obtained by a commercial image rectification software.

TECHNOLOGY TRANSFER

The system has been used by the Government Laboratory.