Usage areas of mobile phones have increased in the last 10 years. Although there have been improvements in many areas, most of the developments are in the field of positioning systems. Although the people's lives continue in indoor environments, location-based information system receives data from the satellites, which can detect a person's location in outdoor areas. In indoor areas, satellite signals can cause false information or can be interrupted by the objects in the area. In this study, an indoor navigation system has been designed and developed that only uses the accelerometer, the camera and the compass components on the phone and does not require satellite signals for positioning. To provide independence from the map in this application, augmented reality is applied during the routing process by utilizing built-in camera of the phone and no map is used.