

Student Attendance System Applying Reed Solomon ECC

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Abstract : The article reports an automated student attendance system modeled and developed for use at a Vocational school. This project focuses on developing an application using a QR code utilizing the Reed-Solomon error correction code using a smartphone scanned through a webcam. This system enables us to speed up the process of taking attendance and would save us valuable teaching time. This is planned to help students avoid consequences that may result from poor attendances which will eventually penalize them from sitting their final examination as required.

Keywords : QR code, Reed-Solomon, error correction, system design.

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