DATA Management Platform for NAAC

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Abstract: *In the modern educational landscape, quality assurance through institutional accreditation has become a critical benchmark for academic excellence. National accreditation bodies such as the National Assessment and Accreditation Council (NAAC) and the National Board of Accreditation (NBA) require institutions to provide vast amounts of structured data across various quality metrics. Manual data collection and submission processes have proven inefficient, error-prone, and inconsistent across departments. This research introduces a centralized web-based platform built using the MERN stack (MongoDB, Express.js, React.js, Node.js) that enables streamlined data management for NAAC and NBA processes. The platform is designed to support role-based workflows for faculty, department heads, and administrative users while enabling secure data submission, real-time review, and automated report generation. This paper discusses the underlying architecture, model development, validation techniques, experimental results, and its potential as a scalable institutional accreditation tool.*

Keywords: National Assessment and Accreditation Council