

ABSTRACT

Rapid technological and informational breakthroughs brought about by the era of digitization have affected many different sectors and enterprises. For effective management, advancements in automation, data storage, and staff absence management are crucial. Improvements in employee absence management can result in more effective recapitulation, which can save time and effort. Employee presence estimations may have gaps due to manual absence procedures, such as those employed by PT Nutripet Dongmulfood Indonesia. These methods also waste time. Manual processes, however, can also have a detrimental effect on employee pay and productivity. The authors utilized various research methods to implement their final project, including literary studies, tool operating system planning, and implementation testing to identify device error locations. The system can help the company manage employee absences. The tool's research and design resulted in a successful website, accurate employee absence data, and a reliable RFID reader. Recommendations for further improvement include adding fingerprint-based absence modules for added security and a salary calculation module for easier employee salary calculations.

Keywords: RFID, Presence, Nodemcu