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Project Management Tool with Kanban Board

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Abstract: *Kanban is one of the important tools as it acts as a central communication hub among the members of an agile development team. In this research, the authors have developed an illustration of a Kanban tool. The tool displays each developer's tasks across the number of horizontal rows. Therefore, users can understand the task assignment and workloads of team members in one go. The board can be linked up with GitHub and support real- time synchronization among clients for distributed development. Observation showed that the proposed approach was effective. Nowadays, startup organizations are facing lots of challenges while using a good kanban application, So the main motive of this project is to provide an effective Kanban application to the client.*

Keywords: *Agile Software Development Methodology, Kanban, Project Management, Synchronization*

VII. CONCLUSION

There are lots of benefits of using the kanban tool in development, making the kanban board a popular framework in agile teams. Using its software development becomes a smoother processof accomplishing the project no matter its size. The Kanban principles and practices offer an evolutionary path towards agility without disrupting the current processes. The kanban tools are easy to adopt and digital Kanban boards help you visualize your work, WIP(work in progress) limits empower you to become more efficient in work. The kanban's ability to define bottlenecks, improved concentration, panoramic project view, prioritization of tasks, the flexibility of work, and team cohesion make the production smoother and more efficient. So, it is a best practice to use kanban while developing the products.