**List of Proposed Use cases by DNP students:**

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| **Student** | **Use Case Idea** | **Problem Addressed** | **Description** |
| **Ashley Griffin** | Automated outbreak protocol generation | Complexity and time consumption in managing outbreak protocols | Simplifies the process of managing outbreak protocols using AI-generated summaries based on detailed protocols. |
| **Lee Benedicta (Benny)** | AI companion for elderly medication adherence | Medication non-adherence among elderly patients | Develop an AI system to remind and motivate elderly patients to take their medications. |
|  | VR education with vital sign monitoring | Engagement and safety in patient education | Use VR for patient education while monitoring vital signs to ensure safety and effectiveness. |
| **Tran Uyen Duy (Winnie)** | Protocol retrieval system for inpatient settings | Difficulty in quickly accessing relevant protocols | An AI system that quickly retrieves relevant protocols to help staff follow correct procedures. |
|  | AI for mental health assessments and medication recommendations | Lack of familiarity with psychiatric medications among doctors | An AI tool to conduct mental health assessments and suggest psychotropic medications. |
| **Hindra Sasha** | AI-powered education for cancer patients | Lack of engaging educational tools for cancer prevention | Develop educational tools, possibly using gamification, to teach cancer patients about prevention and self-checks. |
| **Hong Esther Y.** | Postpartum hypertension monitoring and management | Inadequate monitoring and management of postpartum hypertension | Create a program to monitor and manage blood pressure in postpartum patients. |
|  | Pre-discharge patient education | Insufficient patient understanding of discharge instructions | Develop an AI tool to assist nurses in providing comprehensive pre-discharge education. |
| **Schroeder Grace E.** | Voice-activated charting for nurses | Time-consuming and inefficient charting processes | Implement a voice recognition system to assist nurses with charting. |
|  | AI-driven medical translation | Communication barriers with non-English speaking patients | Develop a natural language processing tool for accurate medical translations. |
| **Huffman Kristy** | AI for prior authorizations in endocrinology | Complex and time-consuming prior authorization process | Automate the process of prior authorizations for expensive medications. |
| **Kayla Smietanka** | Long-term care improvements using AI | Challenges in providing efficient long-term care for adults with disabilities | Explore AI applications in long-term care settings for adults with disabilities. |