

Reference No. :- IDEAMH018694

1. Details of Incubatee:

1.1 Details of the Host Institute (HI)	Navgan Shikshan Sanstha Rajuri N, Mrs. Kesharbai Sonajirao Kshirsagar Alis Kaku Arts, Science and Commerce College, Shivaji Nagar, Barshi Raod, 02442222641, kskbeed123@rediffmail.com, 9423736141	1.2 Name of the Business Incubator (BI)	Prof. Dr. R. M. Gulve, Professor, kskbeed123@rediffmail.com, 9226478258
1.3 Category of the Incubatee	Student	1.4 Incubatee Name	Shreyash Babasaheb Sanap
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2. Details of Idea:

2.1 Title of proposed idea/innovation	Antibiotic Resistant Pathogen Detection Kit
2.2 Whether the idea involves use of existing intellectual property or not, give brief detail there of	No existing intellectual property right used.
2.3 Briefly explain newness/uniqueness of innovation	This innovation proposes a novel diagnostic kit and method that utilizes cellular double staining. This method aims to enhance the speed and accuracy of diagnosing antibiotic resistance by using specific fluorescent dyes. The development of Antibiotic Stewardship toolkits can significantly enhance public health strategies by fostering systems change, improving workforce readiness, and facilitating the implementation of evidence-based interventions. These toolkits serve as structured resources that guide practitioners in addressing community health challenges effectively by Improving Emergency Response and Facilitating Evidence-Based Implementation. Antibiotic Stewardship toolkits using dual staining approach leverages specific dyes to assess bacterial viability and resistance, focusing on key resistant bacterial species, and utilizing fluorescence measurements to enhance diagnostic accuracy. This innovative approach improves the speed and reliability of diagnosing antibiotic-resistant infections. The uniqueness of the dual staining antibiotic toolkit lies in its ability to enhance the rapid diagnosis and characterization of antibiotic-resistant bacteria, as well as its potential in developing novel antibiotics. This toolkit integrates multiple staining techniques to provide comprehensive insights into bacterial properties and resistance mechanisms.