SARANATHAN COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INFOSYS SUMMER OF IDEAS CONTEST

ABOUT SOI

To redefine learning experience for university students world-wide **Infosys** conducted an ideathon contest titled **"INFOSYS-SUMMER OF IDEAS"**. This contest organized for the first time lasted a total of 8 weeks and it attracted more than 1,00,000 willing participants. This number was reduced to 400 participants and finally to 4 winning teams!

It is with pride that we share the news that S. Padma Shruthi, a student in our 4th year ECE along with her team members, Ritvik Babbar (Telangana), Rithvik Reddy Pindi (Telengana), Mahek Chugh (Bihar) and Rachana Kadiam (Hyderabad) won the Championship of Infosys-SOI. Their theme was **"LIVE ENTERPRISE"** and each team member won US $1000.

PROBLEM DESCRIPTION

Design and Develop an Application in Healthcare which fulfils some of the specification of SOLID framework

The current state of the world has made all of the following a necessity: possessing good physical health, management of individual medical history & documents thereof and ease of medical consultation. Generation of Medical records is an ever-increasing phenomenon thus making the management of such generated data a big issue. With privacy of such sensitive data becoming a legal issue and the increase in cases of such privacy being breached, the challenge becomes more complicated.
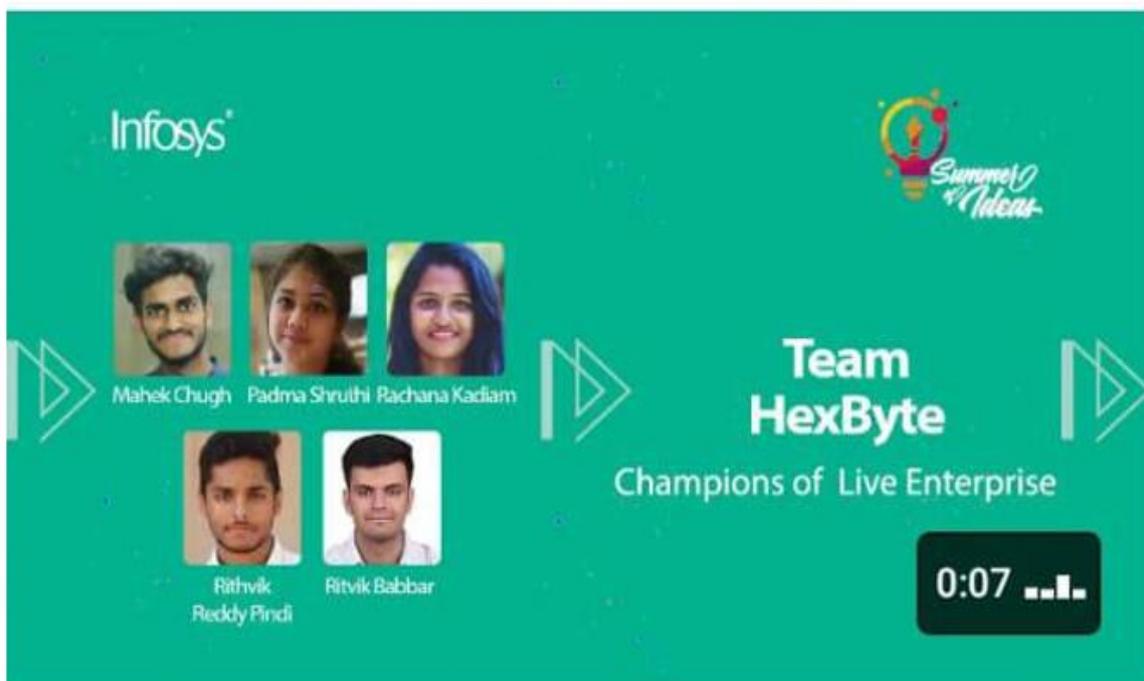
SOLUTION

A decentralized web-application, based on healthcare is developed, to build" Healthcare Data Management", that would go with paperless prescriptions, storage of patient's data (like BP, Sugar, Weight, Height, Diseases they had, etc.,) in the patient's pod (storage) itself, with high security and protection. The patient can share the details if at all needed with doctors or other persons by granting

access through the pod. This can be further developed by adding chats or direct communication with the doctors. This App would be a great help during this Covid period, avoiding need to move directly to hospitals while getting state – of – the – art medical consultations. Once the patient/user has expressed his willingness by sharing access to the pod it also presents the doctors with a platform to prepare & share prescriptions effortlessly

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100,000 applicants, 400 participants, 4 winning teams! Presenting the winners of 4 themes of Infosys Summer of Ideas Phase 1 who learnt, collaborated and brought out a stellar outcome over the summer of 2020. #InfosysSOI #ForwardwithInfosys

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