

NIT Calicut students win Second Prize in the Grand Finale of Smart India Hackathon Software Edition



Two teams from NIT Calicut got selected for the Grand Finale of Smart India Hackathon (SIH) - Software Edition, that was held from March 2-3, 2019. The initial selection was based on the design for an assigned problem. The selected teams had to complete the implementation in the final round that involved 36 hours non-stop coding. The team consisting of six final year B.Tech (CSE) students, A. Bhagyasri (Team leader), Anupam Asok, Aysha Thahseen RA, Divya Joshy, Navya Unnikrishnan, and Olive Sara Thomas participated in the competition held at Noida Institute of Engineering and Technology, Greater Noida and won the second prize.

The problems in SIH were classified into three categories – *simple*, *complicated* and *complex*, depending on the difficulty level. The winning team solved a problem given by Future Generali, that came under the most difficult *complex* category. The objective was to represent the most important features of a policy document in a more accessible manner. As the solution, the team developed a policy buddy website which, given a policy document, creates a customized version of the document for each user. It helps users understand the important

points without having to read the entire document. The policy representation was done using 5 main features – section wise summarization of the policy with audio in multiple regional languages, Chat bot which addresses general and personalized queries, offline sms notifications for people without internet access, regular push notifications to remind users of policy inclusions and exclusions, and a video with general policy terms and conditions. The solution used Machine Learning and Natural Language Processing techniques, and was developed using Django framework. Dr. Vinod Pathari, Associate Professor and Mr. Manu Madhavan, PhD scholar were the mentors for the team.

The second team from NITC, consisting of six final year B.Tech (CSE) students - Venkatesh Raju (Team Leader), Uddhav Raj, Devika S.P, Tangella Mahesh Kumar, TGDK Sumanathilaka and Vignnah Swesind Selvaraj, worked under the Student Innovation Category, in sustainable development.