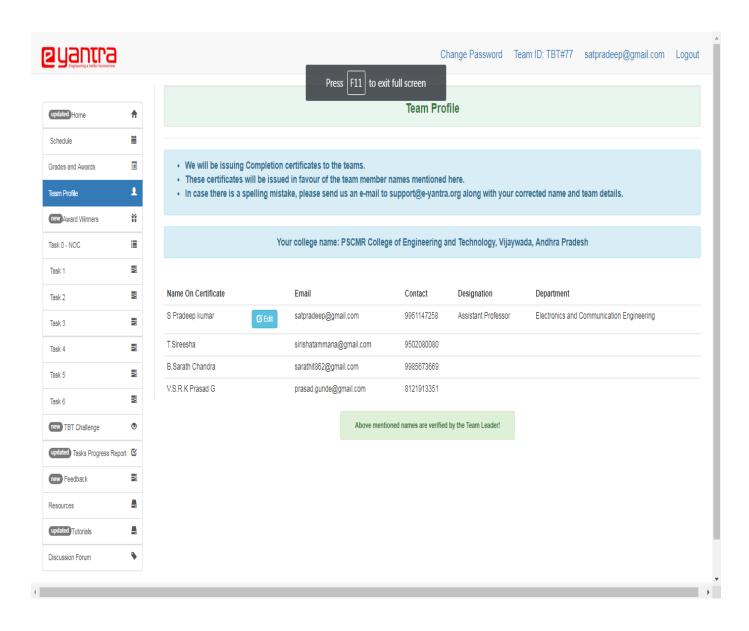
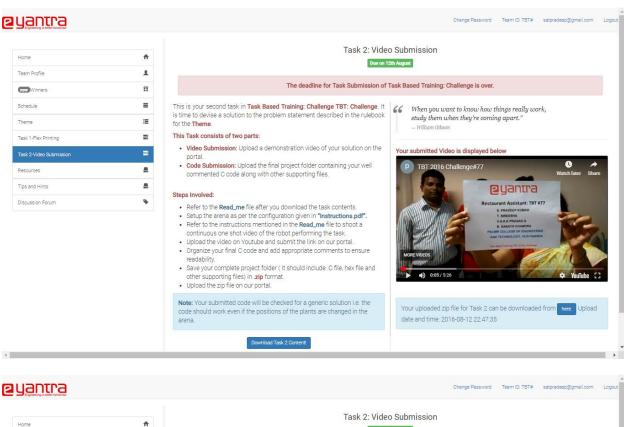
RESTAURANT ASSISTANT: ORDER TAKING ROBOT

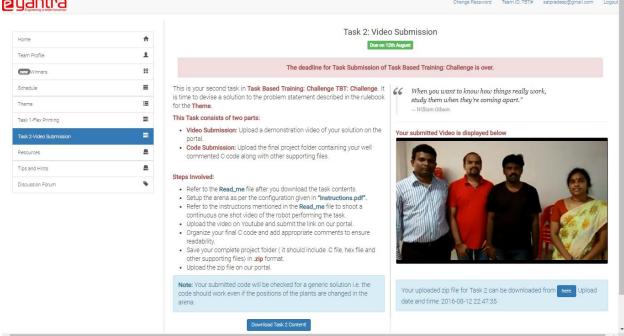
e-Yantra has designed a theme, **Order Taking Robot**, in which we explore automating a basic task – taking orders from customer tables and giving them to the cooks. Theme represents a simplified abstraction of a restaurant having nine (09) customer tables serving three (03) different types of food such as Indian, Chinese and Italian. Each type of food has an associated cooking zone. Food types are represented by flags of different colors and placement positions. Customer places his/her order choosing any of the three food types by placing the corresponding flag on the table. Robot traverses through the arena visiting each customer table and identifies the order placed by the customer, travels to the cooking zone to inform the cooks about the types of food ordered by customers.

The robot has to do the following:

- (i) Take the order from each table.
- (ii) Place the orders at their respective cooking zones and
- (iii) Display the table numbers and the respective type of food ordered, on the LCD.







Youtube Link TBT-2016 Challenge " **RESTAURANT ASSISTANT: ORDER** TAKING ROBOT"

https://www.youtube.com/watch?v=d__ZUyToShY&feature=youtu.be