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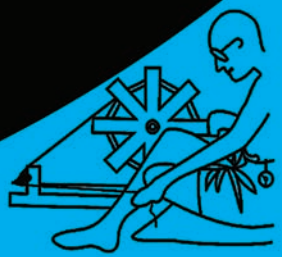

GANDHIAN YOUNG TECHNOLOGICAL INNOVATION AWARD 2019

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GANDHIAN YOUNG TECHNOLOGICAL INNOVATION AWARDS

GYTI 2019

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Saurav Jyoti Sarma

Abhijit Nath

Chandeep Suman Gogoi

An Automated Panipuri Vending Machine

Saurav Jyoti Sarma, Abhijit Nath, Chandeep Suman Gogoi
Tezpur University, Assam

Guide :
Er. Polash Pratim Dutta

The focus of the PVM is to provide hygienic panipuri and to deliver it without consuming much time with a 24/7 service experience to the customers. This machine will work as a single unit, but it will contain various sub units for storing the individual items such as hollow bread, different types of ingredients, various types of flavoured water and sauces too. These individual items can be replenished manually when required. The whole process starts with washing and boiling of the potatoes automatically. Then comes the mashing section where all the ingredients and the potatoes will be mashed for making the required paste that will be injected inside the hollow bread. A small heater is attached inside the system to keep the hollow breads fresh and crispy. Since various types of flavoured water will be stored, a refrigerating unit will be there to keep the flavoured water cool and fresh. All the processes will be controlled by a single control unit. This vending machine also has a processing unit which makes panipuri as per customer's requirements. An interface unit (OLED screen) is there which allows customer to choose appropriate option and guided instruction for transaction. Opening a new stall takes lot of space but installing this machine will reduce the space requirement. The machine can be moved from one place to other where the electricity is available. It is very easy to install in places like malls, restaurants, luxury hotels, airports etc. This machine is believed to promote acceptability and ensure availability of this Indian Snack across the world.