

GYTI Award to Tezpur University for the fourth time!!!!

1. SRISTI- GYTI Award-2021

Invention: Battery less electrochemical sensor for quantification, removal of naringin and determination of maturity of citrus fruits

The SRISTI-Gandhian Young Technology Innovation-2021 award is conferred to **Mr Arun Kumar Gupta**, Research Scholar of Department of Engineering and Technology, Tezpur University for development of “**Battery less electrochemical sensor for quantification, removal of naringin and determination of maturity of citrus fruits**”. The Research work is carried by Mr Gupta under the Supervision of Dr Poonam Mishra (Department of FET, Tezpur University) and Professor P. P. Sahu (Department of ECE, Tezpur University). Fabricated sensor is economical and handy in operation which can be easily used by farmers, grower, or fruit juice manufacturer as it does not require prior sample preparation or conditioning of instruments as existing techniques requires.



2. Winner of GYTI Award -2019

Patent applied as “Integrated and automated set up for preparation and vending of panipuri” with application no. 201831009678 dated 16th March 2018

The recipients are three mechanical engineering students Saurav Jyoti Sarma, Abhijit Nath and Chanddeep S. Gogoi who had initiated this work as part of their B.Tech project. The idea behind this invention was to prepare hygienic panipuri quickly and make it available to the consumers, as per their choice 24/7. This machine works as a single unit but has various subunits for storing items like hollow bread, different types of stuffings, various types of flavoured water and sauces. An interface unit (OLED screen) allows customer to choose appropriate option with guided instruction for transaction. Lesser space requirements make it easy choice for installation 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.

The team will receive the award at Rashtrapati Bhawan soon.

3. Winner of GYTI Award -2018

Patent applied as “Novel Soil Conditioners” with application no. no. 201631010727 applied on 29th March, 2016

Gandhian Young Technological Innovation (GYTI) Awards 2018 was also conferred to the students of Tezpur University namely: Ms Pallabi Das, Dept. of Environmental Science and Ms Kasturi Sarmah of Dept. of Chemical Sciences, Tezpur University and their research group for their innovative work on large-scale synthetic routes to manufacture iron (oxalate) capped metal oxide nanomaterials that are wonderful soil conditioners for increasing micronutrient availability to plants with least toxicity



4. Winner of GYTI Award -2017

Patent applied as “Smartphone based system for detection and measurement of chemical and biological species in liquids” with application no. 201631022922 applied on 4th July 2016

Gandhian Young Technological Innovation (GYTI) Awards 2017 was conferred to Mr Iftak Hussain of Dept. of Physics, Tezpur University and his research group for the innovative work on design and development of low-cost and field portable smartphone based optical platforms for photometric sensing application, specifically useful for water quality monitoring.

