

Bengaluru Students Win Medal For Their Solution That Can Save City's Dying Lakes

Eight students of CMR Institute of Technology, here, have won gold medal for their project on the use of fly ash, to rid dying lakes of pollutants and restore their health.

The recent 'Indian International Innovation Fair', held in the city, recognised their project as an out-of-the box solution.



economic times

Their project offers a solution to two issues - overflowing plastic garbage and polluted lakes - plaguing Bengaluru.

Fly ash can be used to treat Bengaluru's polluted lakes, while being combined with plastic waste to manufacture flexible composite bricks.

Fly ash is a byproduct of coal combustion, generated by thermal power plants and cement factories. The fine grey particles transported by the wind and deposited in surrounding localities are known to cause or worsen respiratory disorders and make soil infertile.

The second and third-year students from different departments - Nithin Kumar V , Pranav Bhat, Sudarshan MS, Gururaj R, Vinay Kumar BA, C J Anoop, Pavan R Reddy , Naren M - have collaborated on this project and won several accolade.

When Karnataka State Pollution Control Board chairman, Lakshman, inspected the dying Varthur lake last week, where he interacted with the team.

"He said they will consider using the method to treat the highly polluted waters of the lake and asked us to conduct further tests," said V Nithin Kumar, a second-year ECE student.



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The idea was born around this time last year. During a chapter on water technology, students were looking for solutions to the city's polluted lakes.

"It is known that fly ash can adsorb heavy metals and organic matter present in a solution "said Kumar.

The team tested it with a sample of water from Bellandur lake and found that the brownblack water became clear and did not smell anymore.