

# IIT-I gets patent for kit to screen early phase detection of Alzheimer's disease

TIMES NEWS NETWORK

**Indore:** The Indian Institute of Technology, Indore (IIT-I), was granted a patent for designing a kit for screening of early phase detection of Epstein-Barr virus induced Alzheimer's disease.

The kit uses primer-based detection of viral counterpart and specific viral peptide induced antibody-based assays for the screening.

IIT-I department of bio-



**GRANTED FOR 20  
YRS SINCE JULY 2021**

sciences and biomedical engineering associate professor Dr Hem Chandra Jha and PhD students Deeksha Tiwa-

ri and Annu Rani have designed the kit.

Presently, there are no screening methods available for these complex neurological disorders. This finding will serve for the screening of the population that may develop or be targeted through virus-induced Alzheimer's disease, IIT-I said in a statement released on Tuesday.

The institute is now working on the commercialization of the kit. The project was funded by the Council of

Scientific and Industrial Research (CSIR).

"Since this disease progresses slowly, the treatment becomes difficult and not completely curable once it becomes expressive. Hence, screening or identifying virus mediated disease at early stages would be highly beneficial for the patients as well as improve strategy to treat Alzheimer's," said Jha.

The patent granted by the patent office of India is for a period of 20 years since July 2021.