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IIT-I develops new tech for early diagnosis of tumours

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Indore: A team of researchers in IIT. Indore has developed a light scattering based technique that will aid in early and cost-effective diagnosis of tumours.

ciate professor, discipline of Biosciences and Biomedical Engineering, IIT Indore said. "Our group has developed a light scattering based technique for quantitative estimation of analytes in biofluids. This will be cost effective, easily portable and more sensitive towards diagnosis of tumours."

A team of the institute is also working on developing more effective and economical cure for acute lymp-

hatic leukemia in children. Professor Avinash Sona-

wane, discipline of Biosciences and Biomedical Engineering, IIT Indore said, "The cost of treatment involved in childhood leukemia is very high and unaffordable for many sections Dr Sharad Gupta, asso- of society. We are working on reducing cost of treatment and side effects of the drug. Currently, drugs used for childhood leukemia causes many side effects such as rashes, liver toxicity and others."

Researchers under supervision of Sonawane have genetically engineered a new enzyme derived from hacteria that is expected to reduce side effects of the drugand lower cost of treatment.

Sonawane said. "The cal studies on this."



of progression of TB in boalso being worked upon for ne marrow for a longer pe-

gastric carcinoma or stomach cancer to facilitate treatment in rural areas.

Professor Hem Chandra .Tha HOD, Biosciences and Biomedical Engineering, IIT. Indore said, "Our group is developing specific, fast, portable and reliable helicobacter pylori specific detection kit for gastric carcinoma."

The institute is also working on development of diagnostics for Bovine Ephemeral Fever disease that occurs in cattle and water buffaloes.

Dr Debasis Nayak, associate professor, "Our group is working on development of point-of-care diagnostics for Bovine Ephemeral Fever disease since no diagnostics are available in India for its detection.'