

# IIT-K, GSVM sign MoU for research

HT Correspondent  
Kanpur May 10

THE INDIAN Institute of Technology (IIT-K) and the Ganesh Shanker Vidyarthi Memorial (GSVM) Medical College entered into an agreement to bring medical knowledge and technology together for carrying out joint research in the wider interest of society.

A memorandum of understanding (MoU) in this regard was signed here on Wednesday for collaboration between the two institutes on multiple fronts.

The heads of the two institutions have agreed to assist each other at graduate and the post-graduate level and hold seminars, conferences and short-term courses.

Besides, they will share the information about the faculty, library materials, laboratories, research publications and to exchange information relating to developments in teaching and researches.

The two institutions have agreed to promote generation of research funds through multi-dimension collaborative research grant application.

IIT-K Director Dr Sanjay G Dhande, dean research and development Dr SC Srivastava, Dr Pradip Sinha, Dr Mukesh Sharma, Dr Harish Karnik, Dr Rajat Moona, Asima Pradhan, S Ganesh, Ashok Kumar and a visiting Fulbright scholar from University of Texas medical branch, United States, Sanjiv Sur, were also present on the occasion.

From Ganesh Shankar Vidyarthi M Medical College, dean and principal Dr SS Katiyar, Dr SN Singh, Dr Asha Agarwal, Dr BD Mangal, Dr Suschil Chandra and Dr VN Tripathi were present on the MoU signing ceremony.



An MoU being signed between IIT-K and GSVM Medical College for carrying out joint research programme in Kanpur on Wednesday.



Director IIT-K Dr Sanjay G Dhande and principal of the GSVM Medical College Dr SS Katiyar (centre) addressing media persons in Kanpur on Wednesday

## Panel to identify joint work areas: Dhande

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ADDRESSING MEDIA persons after signing the MoU between the IIT-K and the GSVM Medical College, IIT-K director Dr Sanjay G Dhande said a high-level committee would be set up to identify areas of combined research to bring all research activities under one roof as future research phenomena would be of integrated nature.

He said the concept of discovering medicines having preventive and curative potential needed to be addressed with technological solutions.

He said the knowledge attained during the past 15 years about 'active genetic factor in the human body' had disproved the age-old theory of sample-based medical surveys for developing new drugs. These drugs neither suited all nor they had the required 100 per cent effect on the patient's body as they were developed on generalised principles of research, he added.

While medicines developed strictly according to each one's gene-chemistry would prove to be more effective, developing such types of drugs medical men and technologists would have to share their knowledge, he added.

Dr Dhande also said that genetic engineering would provide wide range of solutions and since the IIT-K had the facility of genetic engineering it could provide a good forum for researchers to take up their research programmes.

The IIT-K director said that in August 2006 an international seminar on genetic engineering would be organised at the institute to deliberate upon various issues. He said the SGPGI has also proposed to collaborate with the IIT-K for taking up joint researches.

He said so far medical experts of the GSVM Medical College had been working with the Media Asia Lab on telemedicine system and they had developed some software to assist people living in distant areas for consulting medical experts at hospitals without personally

## Technosupport

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He said the two institutions would also endeavour to have close ties with industries for realizing the fruits of joint researches.

## 'Tie-up to boost medical research'

PRINCIPAL OF the GSVM Medical College Dr SS Katiyar said here on Wednesday the MoU signed with the IIT-K would open up more avenues for developing new drugs and understanding the effect of the polluted environment on human body cells with the utmost exactness.

Talking to newsmen soon after signing the MoU, Dr Katiyar said research on drugs, antibiotics, air quality and its effect on human body and effects of orally administered or injected medicines on human body was going on at the medical college.

All such research needs technological support for reaching definite results and now the IIT-K technical experts would assist medical men to conduct their research with precision.

He said that research on tissue engineering could only be conducted with joint efforts of technologists and medical experts since technologists could help develop material to abolish grafting process in human body.

Technological support had already made it possible to have indepth knowledge of the causes of asthma and its treatment. He said 13 tests were digitised through the evolution of telemedicine system at IIT-K.

## 'Need to popularise telemedicine'

A VISITING Fulbright scholar from the University of Texas, (medical branch) USA, Sanjiv Sur said here on Wednesday that telemedicine was very useful for large nations, specially for the poor population but it needed to be popularised among the masses. Talking to newsmen, he said that it was of the utmost importance to instil confidence among the masses about the telemedicine system in this country where the

people living in rural areas were illiterate and orthodox.

They could not be convinced easily that there was no difference between the direct prescription written for the patient by the doctor and the treatment prescribed through telemedicine system. He said unless this confidence was instilled in the common man, the system would not yield the desired results. **HTC**

# IIT-K, GSVM collaboration a milestone

TIMES NEWS NETWORK

**Kanpur:** Bridging the gap between technology and medical science, two premier institutes of the country — Indian Institute of Technology-Kanpur (IIT-K) and Ganesh Shankar Vidyarthi Memorial (GSVM) Medical College — have joined hands for the mutual exchange of students, faculty and resources. Being the first of its kind, the collaboration is expected to add new dimensions in the field of genetic research and bio-sciences.

The formal memorandum of understanding (MoU), signed by IIT-K director SG Dhande and GSVM principal Dr SK Katiyar on Wednesday, recommends exchange of courses, students, faculty, library, study material, publications and research work between the two institutions. Students' exchange programme would be implemented for undergraduate, graduate and postgraduate courses.

"We need advanced computational and technical knowledge from IIT-K in our important projects like drug development, medicinal studies, tissue building, tele-medicine project and genetic researches," said Katiyar.

Acknowledging the services of the medical college, Dhande said, "it will give us access to patients and clinical subjects, which otherwise is difficult for IIT-K to get." Also, GSVM would donate a heavy amount for a research centre to be established under the collaboration.

"The MoU will simplify the process of utilising resources of all the departments of IIT-K," said Katiyar. GSVM already has joint projects on environmental studies and bio-sciences with IIT-K. "Now, we will further collaborate on mechanical engineering, physics, bio-technology and computer science."

Further, the collaboration would be a milestone in giving a touch of medical science in the pure technology-based courses at IIT-K, which would have a significant impact on both the institutions.

Also, the two premier institutes plan to organise an international seminar on genetic engineering in August. Besides, Dhande informed, the Sanjay Gandhi Post-Graduate Institute, Lucknow,



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has also expressed interest in a similar collaboration with the IIT-K.

The collaboration would have an immediate impact on biological science, bio-engineering, environmental science, physics and computer science at IIT-K. The first batch of exchange between faculty members of the two institutes would be carried out very soon, claimed the authorities.

Prominent among those present were IIT's dean of research and development SC Srivastava, senior professors Pradeep Sinha, Mukesh Sharma, Harish Kamit, Rajat Moona, Aasima Pradhan, Sanjeev Suri, Ashok Kumar and S Ganesh. From GSVM, Dr S L Singh, Dr Asha Agarwal, Dr B D Mangal, Dr Sushil Chandra and Dr V N Tripathi were present.