

Development of nano-technology highlighted

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Kanpur: Senior chemical scientist and chairman of Prime Minister's Scientific Advisory Committee CNR Rao highlighted the development of nano-technology with the help of soft chemistry in a seminar held at the chemistry department of Indian Institute of Technology, Kanpur (IIT-K), on Thursday.

Stressing on the need of production of nano-materials with the help of soft chemistry, Rao stressed that nano-technology is not solely the domain of physics. A few chemicals are extremely helpful in the development of nano-materials, he added.

Naming a few components important for nano-technology, Rao said that gallium nitride has a large scope. It is the hottest semi-conductor, he added. He claimed that the scenario of lighting system would change in the coming future, if the lights made by gallium nitride are utilised instead of the traditional ones. The cost of manufacturing of tubelights from gallium nitride is too high, he added. However, it can be lowered down if produced on a larger scale. He stated that he carries small white torches made from the same material.

Also, a few fields such as lithography, display field emission, hydrogen storage, nano-electronics and optical limited properties were also discussed as the fields for the application of technology. Over a hundred students and faculty members attended the session addressed by Rao. Director of IIT-K SG Dhande and vice-chancellor of Chhatrapati Shahuji Maharaj (CSJM) University SK Katiyar were also present.



(Left to right) IIT-K director SG Dhande, chemical scientist and chairman of Scientific Advisory Committee, CNR Rao and CSJM University V-C SK Katiyar attending a meeting in the city on Friday.

Two more scientific institutes soon: Rao

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Kanpur: Chairman of scientific advisory committee CNR Rao declared that Union government is keen to promote scientific research. Two more Indian Institute of Sciences (IISc) would be opened. Also, seats for science-based courses would be opened in Indian Institute of Technology (IIT).

Talking to newsmen, Rao said that the Union government is looking forward to promote science among students in a different ways. National Science Foundation would be established in this regard.

Highlighting the development of Vi-

gyan Mission, Rao explained that two new science institutes would be opened where courses like integrated Master of Science (MSc) would be introduced. Students qualifying Intermediate examinations would be eligible for admission. Seats for science courses in IIT-K would be increased to about 200. "IITs need to be the best institutions for both science and technology", he stressed.

Director of IIT-K SG Dhande said that a new campus for IIT is expected to be developed. The place would be somewhere near Lucknow, he added.

Rao said that several new scholar-

ships have been introduced for those pursuing scientific research. Ramanujan Fellowship is one of them, he added. Scientists between 40 and 60 years would be given fellowship as acknowledgement of their contributions. The Union government has kept a special focus on women.

Dhande said that now coming to India from abroad for research would not be difficult. "We are looking for arrangements, where the scholars would not have to get trapped in unnecessary legalities, instead, they would be given the direct entrance to the research institutes," he said.