

MOM of First Meeting of the Core Committee

VENUE: Chamber of HOD, Physics, Patna University, Patna

DATE & Time: May 10, 2006 at 11 AM IST

Members Attended:

| S.N | Name | Designation |
|------------|-------------------|--|
| 1 | J Thakur | Chairman & EX-VC, HOD Physics, Patna Univ |
| 2 | D.K.Sharma | Prof. PG Physics, Patna University, Patna |
| 3 | S.P.Verma | Retd. Prof. of Physics,Coordinator of the core committee |
| 4 | Bijay Kr. Sharama | Prof & HOD, Electronics, NIT,Patna |
| 5 | S.N.Sandhwar | Manager(operation)BiharBrains Scholastic Center |
| 6 | Rajmani Pd. Sinha | EX-VC,Mithila Universtity,Darbhanga, Professor,PU |
| 7 | AK Ghosh | Professor, Dept of Chemistry, Patna Science College |
| 8 | Amarendra Narayan | Lecturer , Dept of Physics, Patna University,Patna |
| 9 | Janardan singh | Retd. Prof of Physics, Patna University,Patna |

Excerpts from the meeting:

Meeting started at 11 a.m. under the chairmanship of Sri J.Thakur, who welcome the members. The low attendance was explained by S. N.Sandhwar, Manager operation BiharBrains Scholastic Center, BBSC that it was due to delayed and faulty communications to the members. Sandhwar apologized for the omission n the part of his office and assured not to recur such situation in future.

Dr. BK Sharma president of Bihar Brains while explaining objectives & vision of Bihar Brains said that Bihar Brains objective is to expand educational practices in the state. And this is one of the important visions which the society has undertaken .He requested Dr. S.P.Verma who is coordinator of the core committee to advise the members the objectives and demand of the committee.

Dr.Verma specifically mentioned that this core committee has been formed to prepare a project for formation of "National Institute of Science Education"(NISC) and Indian Institute of Science Education & Research (IISER) in the state of Bihar.

As mentioned in the letter of the chairman of "Bihar Brains" a delegation had met Dr. Anil Kumar Minister of science & technology Govt. of Bihar on 30.03.2006 with such proposal. The minister in response suggested to submit a concerned report as to why Bihar needs such institute and in which area.

In response to this core committee has been formed in which at present 51 members are enlisted. Members have been requested to submit their individual input on the issue.

Thereafter Sri SP Verma presented his write-up for NISC-IISER & it was shown it to all members.

The note contains an under proposal for National Institute of Science, NISC.

Preamble of NISC –IISER:

1. In post independent India the larger state (Undivided Bihar) had a good share of Research and Development centers set up by the Central Government or originally established during British period.
2. After the partition of Bihar into two states there is not a single research and development institution in the state keeping aside the Universities/ colleges, which has not the capability to cater to the frontier areas of the infrastructure for doing so.
3. Therefore it is a priority to the growing need of Research and development institutions/infrastructural facilities in various branches of science & technology in the Form of establishment of a "National Institute of science & technology".

This institution will cater to

- (1) Young innovators who wish to pursue career in R&D, and the brilliant students of the grassroots, who for various economic factors can not get opportunity for contributing to the science, Technology and development issues facing the countryside.
- (2) The institution will act as a model and an inspiration for uplifting the state of affairs in the existing educational institutions and R&D centers of the Universities/colleges/technical institutions.
- (3) The NISC can cater to the specific needs of the R&D sector as a central facility, which may be thrown open to innovators in various specialized areas In science & technology.
- (4) As the state is primarily an agricultural state, therefore one important sector of the NISC should be central facilities for R&D in the area of agricultural /sciences/water management/Pest control/improved variety of cultivation and many more.....

The high density of population needs application of science and technology in various walks of life. Therefore, the developments of consumer products, industries, processing of agricultural products are high priority areas.

The I.T. sector has now reached the nooks & corners of rural India & Bihar is no exception.

The institute should have good Tech. centre for development of new products services in the I.T.sector coupled to the needs of the people.

To provide support to the research and development in application of science and technology for quality enhancement of the life of the people.

The Institute must have the Department of basic sciences as the base area, Though the nomenclature may change like ex. School of life sciences, which will cater to

Various areas connected to life sciences, which may in compose a larger integrated domain.

(The earlier ways of compartmentalization science/technology, as found in the university system may not be replicated)

Digital systems/communications/application in various areas, may be another centre.

The management of such an institute may be done on the principle of " autonomous functioning" under a set of rational rules, which Govt. acting as an advisory/ watchdog so that the target is being set may be realized.

The institution (NISC-IISER) must be linked with the problems being faced by the populace in various economic activities /leading a environment friendly life style and the solution (Technical/ scientific solution) of their problems, may be kept As one of the primary focus of the work which will be taken of in the institute.

The institution may train unskilled personnel in the demand area of the state/or at national level.

If in the state has a characteristic feature that it can forge ahead like Denmark in the area of dairy produce, and then we need a fully equipped centre for dairy development and innovations. Here the role of genetic breeders etc may not be forgotten.

For various testing and standardization we have to send the samples to far off places why not we generate testing and certification centre as part of N.I.SC .This will create an outreach to the larger population.

We have a picture in mind that a vibrating centre like NISC will have to design in such a manner that people may take its establishment as their own support system for embarking upon fresh areas of development and economic activity resulting in sharp change in the economic status of the people at large.

He further said the members of the core committee area requested to go through the above submission and open up their thought process to contribute (by sending a answer) so that he may enrich ourselves further and NIS may come out to be a dream center for the academic/technical community

The structure may be kept a like exhibiting (1) Tata institute of Fundamental Research (2) Indian Institute of Science, Bangalore; both were successful in retaining the talents and could provide output in various branches of science and technology.

The above noted inputs were taught by all members.
It was considered to be adequate coverage.

However Sri DK Sharma added that area of research may be of "nuclear radiation "- radiology lab may set up. Further adding to this, he said "nanotechnology" aspect may be taken into consideration. Dr. Rajmani Pd Sinha said that research work may be undertaken to issues related to Bihar, disaster management (flood), water resources, and agro based industrial development.

He further added that proposal may be annexed with complete model project cost comprising land and building, manpower, management -coverage etc.

In response to this, Dr Verma suggested a team of BiharBrains may visit IISC, Bangalore to have the profile and required data.

Eventually Prof Sri AK Ghosh, Dept of chemistry said that he would be going to Bangalore in day or two. He will try to procure relevant information from there. For this he demanded a list of items to be enquired into.

It were decided that list be prepared and submitted by office of BBSC, Patna Center. Dr. BK Sharma informed that an input from Dr.Manis Jha, a research Scholar at KIGAM, Daejeon, Korea has been received on internet/email. Sri Sandhwar, manager operation BiharBrains also confirmed that he had seen the email on BiharBrains yahoo groups mail. He further said that he will take print out of it.

It was also suggested by the members that letters of the next meeting may be sent a bit earlier. The next meeting will be held on 25-05-06 same time and same place. The meeting ended with thanks extends by the coordinator Dr. SP Verma.

Report Compiled by
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