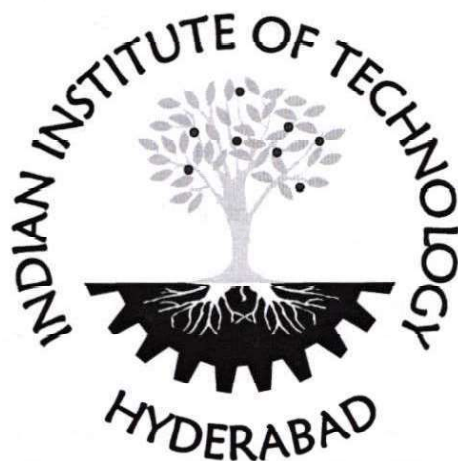

Indian Institute of Technology Hyderabad
Board of Governors Meeting

**MINUTES
of First Meeting**

19 January 2010 (Tuesday)
11:30am-3:00pm
IIT Hyderabad Conference Hall



Pushing frontiers...

The First Meeting of the Board of Governors of the Institute was held at 11.30 AM on Tuesday, the 19th January, 2010 in the Conference Room of the Institute at its temporary location in the Campus of the Ordnance Factory Estate, Medak, when the following were present-

1. Shri Ajai Chowdhry, Chairman, BOG (in the Chair)
2. Shri Mammen Mathew
3. Dr. K. Mohandas
4. Shri C R Biswal
5. Prof. U.B. Desai (Director, IITH)
6. Dr. Anjan Giri (Senate nominee, nominated by the Chairman, Senate)

The Board Noted and Approved that in the absence of the Registrar in position, Dr. Giri has been requested to act as Secretary of this Board meeting.

Leave of Absence was granted to Dr. Kiran Mazumdar Shaw and Shri Sunil Kumar who were unable to attend the meeting due to pre-occupations.

At the outset, the Chairman warmly welcomed the members and mentioned that the Union Minister for Higher and Technical Education has, by constituting this Board consisting of well known professionals, reposed significant trust to build an Institute of National Importance, from scratch. The Board while thanking him for the same, desired to record that it will build IIT Hyderabad as a world-class Institute creating a niche for itself in the world of research and learning.

The Chairman thereafter introduced the members who have rich experience and wide knowledge of international and national issues. This will immensely benefit the Institute, in its committed efforts for development with new dimension, spirit and height.

The Chairman also mentioned that Prof. Desai, first Director of the Institute, who is the academic and administrative head of the Institute is a well known and reputed professional and brings with him adequate academic excellence from international academic world and at home from the IIT system, having spent over two decades in IIT Bombay. The Board is confident that he will lead the Institute to the right path of development which will help create for it a distinguished position in the academic world.

The Board placed on record its sincere thanks to the Secretary, Additional Secretary, Joint Secretary and the Director (T), MHRD, for all their support and guidance to set up the IIT Hyderabad which the Institute continues to get from them hopes the same in future also.

The Board also placed on record its sense of gratitude to the IIT Madras, the Mentor Institute, for ensuring a good start of for IIT Hyderabad. The Board conveys its sincere thanks to the Chairman, Director, faculty and non-teaching staff of IITM for their unstinted support in creating the initial facilities and for their continued support and guidance. The Board is confident that such support will continue to be received for the Institute in future too.

The Board also placed on record its thanks to the Government of Andhra Pradesh in particular the Chief Secretary, Chairman, APSCE, Principal Secretary, Higher Education and Collector, Medak District, for all their help and continued support to make available various facilities for the Institute which has helped the Institute greatly. It is confident that such support will continue to be received in building this Institute into a world class teaching and research hub located in the State of Andhra Pradesh.

The Board thanked immensely the authorities of the Ministry of Defence, in particular, the General Manager, Ordnance Factory, Medak, for providing the infrastructure facilities to the Institute which has indeed helped it greatly to make a smooth beginning in its Campus with all the necessary facilities.

The Chairman thereafter, took up the Agenda for consideration of the Board.

VISION OF THE INSTITUTE

1. i (a). Prof. Desai, the Director, Presented before the Board the proposed Vision for the IIT Hyderabad. He explained the Vision and mentioned that while the Institute will continue to teach under-graduate programs keeping up the level, reputation and traditions of the IIT system, keeping in view the national needs for new breakthroughs In the context of globalization, it will lay adequate emphasis on the post-graduate and research in cutting edge areas. He said that in the knowledge based economy; innovations will be high on the agenda for which both students and teachers will be encouraged.
 - (b) The Chairman pointed out that innovations need be patented. Innovations, only when translated into beneficial products, will make them worthy, for not infrequently, innovations remain within the organizations, although many of them could well be converted into products in collaboration with the industry. Therefore, a suitable mechanism to monitor the system would help achieve this. He also pointed out the need to create innovations to extend the benefit to the rural areas. Therefore, identifying the needs of the rural areas and encouraging and developing innovations will greatly help the people and the nation as a whole.
- ii. Following the remarks of the Chairman, intensive discussion aimed at generating new ideas for development of the Institute in different areas, took place when excellent ideas were expressed by the members and some decisions taken as mentioned below.
 - a. For improving the skills and methods of teaching, Educational Technology should be used.
 - b. Undeniably, the old way of teaching has already become uninteresting and therefore, there is an imperative need to develop advanced educational technology to keep pace with the fast changing needs of the emerging world. Recognizing this, it was decided that a Center of Excellence or a Center for Advanced Research and Development in Educational Technology ((CARD-ET) be established at IIT Hyderabad. The objective of the Center should be to learn and teach using the technological components and create such platform for others to follow in the future. By incorporating innovations and inventions in the new methods of teaching, the class room teaching would be far more interesting.

The Board realized that it may take 2-3 years before a Center of the desired quality could be operational. What is important is that the next generation of students and teachers should be benefited. It would be good to involve students to exciting things and to develop the inner strength by incorporating new and advanced concepts in science and technology which should also be futuristic.

iii. The Board also discussed a number of very useful issues such as flexible education and research environs for the growth of the nation, the requisite human resources for the country, etc. It also discussed the New Eco-system for inventions and innovations, collaboration with colleges and institutes in the locale of IITH, avenues for greater industrial presence on the Institute campus, S&T for rural India, Entrepreneurs (vehicle for social change), world-class green infrastructure for teaching and research etc. Connected with the issues, the following specific suggestions were made

- a. Urban planning should be taken up at IITH and the Chairman offered to help establish linkage with Singapore (which has an excellent urban planning in place). New City design should be a priority area at the Institute.
- b. A Committee of 10 Members should be constituted for developing a flexible Education Structure for IIT Hyderabad.

It was felt that since, save exceptions, students do not get their choice of discipline due to JEE ranking, 20% students at the Institute will be allowed to switch over after one year or so. In order to provide greater flexibility for experimentation to help them sustain their special interest, students may be allowed to take up their desired area of discipline as minor subject even if they are having major in another discipline.

- c. It was proposed that a Post-Graduate Medical Institute should be established during the Phase II of IITH campus. It was suggested that the MHRD may be requested to help the Institute to get the necessary permission of the Medical Council of India. Medical healthcare for the people in rural area should be treated as a thrust area. It was also discussed to look at the issue of drug delivery products.
- d. It was decided to form an Advisory Council for IIT Hyderabad. Prof. Desai mentioned that Prof. Raj Reddy, an internationally known expert on Robotics could be invited as one of the members. He said, Dr. Reddy is already involved in a joint proposal with IITH. The Chairman also mentioned that the BHEL Chairman has already agreed to connect with IITH. He said he will follow up this.

The Chairman announced that HCL will consider setting up a Research Laboratory at the IITH for physical security which is today of prime concern and is a national need. He suggested that Mr. Govindarajan of NMCC could be invited to be associated with the Institute. Name of Mr. Chandrasekhar, DIT Secretary was also suggested.

With the support from the Ministry of Information and Communication Technology, Department of Information Technology, Prof. Desai mentioned, a plan is envisaged to start a Center for Cyber-Physical Systems.

Prof. Desai briefed the Board regarding the Indo-Japan collaboration at IITH. An ODA loan which is being considered for IITH for constructing specific buildings at IITH campus was discussed. It was mentioned that IITH has faculty and student exchange programs under the Indo-Japan collaboration. In fact, there are already a few Japanese scholarships given to IITH

students. The collaboration will include research centers in cutting-edge areas. The Hitachi-IITH lecture series is taking place at IITH for the second year students.

The Chairman suggested that in view of the fact that Finland is world-wide known for innovation and for quality technical education, it will be good to establish some linkage with it. He said, he has some positive indication from the Ambassador of Finland for such association. He will now write a formal letter to take it further.

iii. The Board **Approved** the Vision Document placed before it and Presented by the Director.

MASTER PLAN INCLUDING TRANSIT CAMPUS OF THE INSTITUTE

2. (a) The Director mentioned that a Presentation would now be given to the Board by the ARCOP who have been entrusted with this responsibility, on the proposed Master Plan including a Transit Campus.

(b) Accordingly, ARCOP gave a detailed Presentation with all necessary details for the Campus of the Institute including the Transit Camp, for housing 32,000 people in the Campus at different phases. The projected sector-wise numbers are as follows-

- Students – Ph.D and M Tech. 12,000
 - Undergraduates 8,000
- Visiting Students
- (International and National)
 - Post-Graduate 2,800
 - Under-graduate 1,200
- Faculty (Regular) 1,500
- Visiting Professors and
 - Postdocs 1,000
- Project Staff 4,000
- Permanent Staff 1,500

ARCOP also explained the details of the Transit Campus, its need and the future use of the same.

- (c) The Board discussed in detail the various aspects of planning and issues connected with a modern and futuristic Campus that the Institute is planning, such as, height of academic and residential buildings, how the apartments are to be connected by service vehicle, power issue including air-conditioning, harvesting and sewerage, broad-band/Wi-Fi connectivity, provision for physically challenged and plantation in the campus to ensure adequate wooded area for a really visible green environment.
- (d) The ARCOP answered all the necessary issues and mentioned that they have all been taken care of in the overall planning.
- (e) On a suggestions for sensor based power or solar power, the Director mentioned that eventually the Institute will exploit solar energy as far as possible in due course as green campus is the goal which has to be translated into reality.
- (f) The Director mentioned that at IITH, NKN networking is being used extensively and it is proposed that in future the Institute could beam to other institutes.
- (g) It was mentioned that the 50 acres patch of land which essentially dovetails in the IITH campus, is critical for the entire campus. This patch of land has to be purchased against payment. The Director mentioned that efforts are on to raise the necessary money for procurement of this land. Expressing its concern, The Board desired that the Director be authorized to take all necessary actions that may be required in this connection.
- (h) After full discussion, the Board **Approved** the Master Plan as also the Transit Campus proposal.

STATUS OF THE ACADEMIC YEAR 2008-09 and 2009-10

- 3. (a) The Board **Considered** the Report for the Academic Years 2008-09 and 2009-10 which are the first two years of functioning of the Institute.
- (b) The Board **Noted** that the Institute started in 2008-09 with 111 students for B.Tech. program in Computer Science & Engineering, Electrical Engineering and Mechanical Engineering and in 2009-10, 112 students were admitted for this program, In addition, the Institute also started from 2009-10, M. Tech and Ph.D programs.
- (c) The Board also **Noted** that the Institute has been able to introduce Todai-IITH Scholarship for the Undergraduate Students.
- (d) The Board further **Noted** that the Institute has since provided all the necessary academic facilities to the students including a growing library.
- (e) The Board was happy with the Academic Report of the two years and **Approved** the Report.