

Date of BOG Meeting	Old Number of BOG meeting	Renumbered BOG meeting	Venue	Year	Authority
February 24, 2012	BOG/2012:02	BOG/20	New Delhi	2012	APPROVAL OF THE BOARD OF GOVERNORS VIDE AGENDA ITEM NO. BOG/24/16(i) OF BOG MEETING HELD ON JULY 24, 2013

**PANDIT DWARKA PRASAD MISHRA
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,
DESIGN & MANUFACTURING JABALPUR**

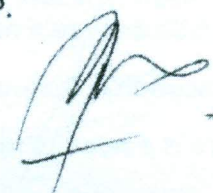
Minutes of BOG/2012/2nd Meeting of the Board of Governors held on February 24, 2012 from 2:00 p.m. in the Conference Room, Vigyan Bhawan Annexe, 2nd Floor, New Delhi.

Members Present:

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| 1. | Prof. S. V. Raghavan
Scientific Secretary to PSA, Govt. of India(GOI) | Chairman |
| 2. | Prof. U. B. Desai
Director, IIT Hyderabad | Member |
| 3. | Prof. Ashok Jhunjhunwala
IIT Madras | Member |
| 4. | Shri Amit Khare, IAS
JS, ICC, MHRD, GOI | Member |
| 5. | Dr. Ajay Kumar
Joint Secretary & Group Coordinator
Department of Information Technology, GOI | Member |
| 6. | Prof. Pradeep Mathur
Director, IIT Indore | Member |
| 6. | Prof. Aparajita Ojha,
Director, PDPM-IIITDM Jabalpur | Member |
| 7. | Prof. G.K. Sharma
IIT Gandhi Nagar | Member |
| 8. | Prof. R.K. Shyamasundar
TIFR, Mumbai | Member |
| 9. | Prof. Puneet Tandon
PDPM IIITDM Jabalpur | Member |
| 11. | Col. (Retd) P.S. Sandhu
Registrar, PDPM-IIITDM Jabalpur | Secretary |

Following member expressed their inability to attend the meeting due to their prior commitment and were granted leave of absence by the Chairman:

Shri Hari Ranjan Rao, Secretary, CM and Dept. of IT, Govt. of M.P.



Shri R. D. Sahay, Dept. of Secondary & Higher education, MHRD, GOI

Shri N. Ravi Shankar, Administrator, Department of Telecommunications

Shri Sanjay Corea, Vice President & Managing Director, GE India Technology Centre Pvt. Ltd

BOG/2012 :02.01	Opening Remarks by the Chairman, Board of Governors
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The Chairman, Prof. S. V. Raghavan welcomed the members of the Board who were present in the meeting and asked to continue with the agenda.

BOG/2012 :02.02	Confirmation of the Minutes of the BOG/2012/1st Meeting held on January 9, 2012.
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The Minutes of the BOG/2012/1st Meeting held on January 9, 2012 were confirmed except the portion containing minutes of the agenda item BOG/2012/1/ in which a comment was received from Prof. Puneet Tandon. It was decided to discuss the item and the comment in the next meeting.

BOG/2012:02.03	Vision document of the Institute
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A presentation was made by the Director on the vision of the Institute.

On Vision Statement

During the discussion on vision statement the Director brought out that IIITDM Jabalpur shall emerge as a Global Knowledge Hub for quality research and teaching under the broad area of Design and Manufacturing through cross disciplinary, innovative, futuristic and dynamic approaches.

Members were of the opinion that the Institute should have focused and well defined futuristic plans that would bring an impact on the higher education and research in the field of design and manufacturing. In order to envisage this, it is important to understand the challenges and needs of the society at large in the central part of India, which could be addressed and through which the Institute would make an impact on the life of people and become exemplary for the rest of the educational institutions. The Institute has a unique focus on IT, Design and Manufacturing. There is a need to identify Indian specific areas under this umbrella, particularly on

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products and devices, for building the strength of the Institute. The members envisaged the Institute to become a knowledge hub to provide leadership to other institutions in Madhya Pradesh apart from generating competent manpower. Various suggestions were given on identification of areas for R&D such as smart grids, health care, systems development, automation, electronic systems design and manufacturing, embedded systems, VLSI design and fabrication, automotive electronics, agricultural implements and energy systems design.

Members were of the view that for manufacturing sector, the specific targets need to be defined explicitly for building the Institute strength in identified directions. It was advised to look for problem areas of industries in and around Madhya Pradesh. It was further suggested to understand the expectations of the Industry and find the ways to collaborate with them for a sustainable long term relationship so that both the industries and students are benefitted with each other's presence. The industry will be looking at the Institute for help and guidance in indigenous design and manufacturing with lot of hopes. Since the Institute is located in central part of the country its vision should be inclusive of sustainable solutions to industry in the region.

Some of the other members were of the view that focusing attention to only region specific needs will not help in bringing the Institute to a global map and hence it must also identify areas of global importance in defining its R&D growth plans.

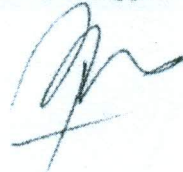
The Director informed the members that links are being established with MSME in an around Jabalpur to take up challenging problems of design improvements, process refinements, automation and green innovations in the MSME sector. She further told the members that design projects of students also focus on providing low cost and effective solutions to problems of rural population for their domestic needs or agricultural requirement.

On Growth Plans and Directions

The Chairman emphasized that Innovative, futuristic and dynamic approaches are extremely important in the present context with rapid changes being witnessed across the world in technology development, teaching and learning methods. Further, cross and inter disciplinary approaches are the need of the hour. He expressed that Indian Industry need to develop

competence in low cost electronic design and manufacturing for Indian conditions and hence there is a scope to march ahead in identified areas. He further said that the Japanese collaboration could be an advantage in developing expertise and R&D facilities in some of the identified areas. He mentioned that certain priority areas have been identified in the National Manufacturing Policy to energize and sustain the growth of manufacturing industries in India. He suggested that Institute's growth plans may be decided taking into consideration the Government's policy to build national capabilities in some of the strategic sectors such as IT hardware and electronics and telecommunication devices. He also suggested that the Institute should propose concrete plans, for example, on deliverables in next three years. At this juncture, one of the members elaborated on National Manufacturing Policy and suggested to take up some of the problems of current relevance including green technology, embedded systems design and chip level design for IT Hardware products. He emphasized on the Government's plan to bring qualitative and quantitative change for the global competitiveness of Indian manufacturing sector and suggested that the Institute could make significant contribution by taking part in activities in line with those envisaged in National Manufacturing Policy. It was emphasized at this point that the Indian industry requires quality technical education in the following three domains (1) Manpower generation, (2) Skill enhancement, and (3) Management; and the Institute should give due emphasis to these.

In order to envisage the growth plan, members were of the view that undergraduate and post graduate programmes of interdisciplinary nature need to be carefully built with specific focus on identified areas of IT, design / manufacturing. At this point, one of the members suggested that focus of the Institute should be on "design led manufacturing" which was appreciated by members. The Director elaborated on the initiatives taken by the Institute in evolving a unique undergraduate curriculum with focus on IT, Design and Manufacturing and informed the members that a component of long term (twenty five weeks) project based internship has been recently introduced in the undergraduate curriculum where the students are required to learn through practice while working on a live project in the industry / R&D project. This initiative of the Institute was appreciated by the members. It was further discussed that the Institute's focus is on MSME, domestic market, rural and agricultural sectors to improve the quality of life of people, by providing low cost indigenous and energy efficient solutions. Members suggested identifying areas



and programmes keeping in view the goals and objectives laid down by the National Innovation Council.

Some of the members were of the view that innovative post graduate programmes should be introduced and strengthened with futuristic goals for producing human resource both for industry and academia as they form the backbone of all research activities in any good institute. One of the members also suggested planning strategies for attracting students to PG programme to shape up R&D programmes. Members suggested developing post graduate programmes focusing exclusively on lectures delivered by industry. They also emphasized that placement of master's students in good industries helps in creating linkages with industry and therefore efforts should be made for placement of master's students.

The Director unveiled the long term plans of the Institute with emphasis on Innovative Design and Manufacturing, Computational Intelligence, Green Technology and Energy Systems Design with the following objectives.

- Contribution towards social needs of the Indian population in general and focus on rural population, in particular.

To become partner in the mission of National Innovation Council by encouraging inclusive innovation at the Institute level to mobilize and deploy India's best creative minds to serve the underprivileged and those who fall at the bottom of the socioeconomic pyramid (BOP).

- Establish and strengthen collaboration with centres of excellence in India and abroad to expand the horizon of research activities in emerging areas of global importance.

Members appreciated Institute's broad objectives and suggested to also develop an eco-system of excellence in education and research by involving nearby educational institutions/agricultural university/veterinary university/ medical college and other such institutions. The local Institutes and Engineering colleges should be given exposure on the research facilities being setup at the Institute and if possible short term courses / training programmes be run to educate the students and faculty of nearby engineering colleges and persons from industry to acquaint them with the latest technologies and innovations in the field of design and manufacturing. Members were



apprised of the efforts being made by the Institute in this direction. It was informed to the members that some of the nearby institutions are using the facilities and services. Workshops are being organized to train the faculty of the nearby institutions in some of the recent areas of advancement/ basic areas of studies.

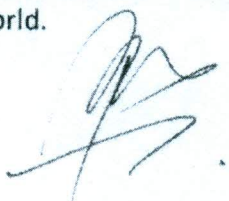
The Director also presented faculty's core strength in different fields of specialization and proposed to develop following centres –

- Centre for Design Innovation
- Centre for Manufacturing Innovation
- Virtual Reality Centre
- Energy Centre

On a question from a member regarding expansion plans in undergraduate (UG) education, the Director informed the members that it is planned to increase the students' intake by introducing two more undergraduate programmes. Although it has not been finalized yet, the Institute intends to introduce UG programmes in Design and Bio Engineering/ Bio medical engineering. It was suggested by some of the members that Institute should plan for at least 10,000 students and construction and planning activities may be executed phase-wise. The Chairman suggested that similar institutions should be interlinked through NKN to facilitate the interaction between students and faculty and utilize resources of other institutions.

Further Suggestions on Institute Branding, attracting young talents, addressing faculty shortage, establishing links with industry

Some of the members suggested celebrating innovation day annually by exhibiting the products and the processes students and faculty have been able to innovate during the period. This would give a platform for interaction between students (budding entrepreneurs), faculty and industry people for brining innovation to next level for technology development and marketing. In this regard, the Director told the members that annual exhibitions are being organized at small scale to showcase the design projects of the students. Making this a bigger event would certainly help in showcasing Institute's talent to the rest of the world.



Members further suggested inviting people from the industry to contribute in teaching programme of the Institute so that students and faculty get exposure to state of the art in industry. By way of this, industry-institute interaction will also be strengthened and students will be motivated to learn through practice. Further, this will help the Institute in overcoming the shortage of faculty to some extent. The Director informed the members that industry experts are being invited to contribute in the teaching programme and two experts have also been co-opted as members in the Senate. Members appreciated this initiative and emphasized that most of the industry experts may not get sufficient time to go personally to the Institute for delivery of lectures and hence video conferencing mode be optimally used so that in each relevant course at least 15-20% contribution could be ensured by the industry experts. It was advised that the Institute should adopt video lecturing as a practice at all levels of teaching. The Chairman further emphasized on innovative learning and teaching methods and suggested introduction of a post graduate programme, where NKN and video conferencing based lectures become major component of course delivery. The Chairman also suggested offering adjunct professor's positions to some outstanding people in different domains. Further, to encourage best practices in teaching a best teacher award may be instituted. To this one of the members suggested that a consortium of people, preferably from industry, be formed for each course as course advisors.

One of the members suggested celebrating 28th February - Science Day to get connected to the aspiring bright students from nearby schools.

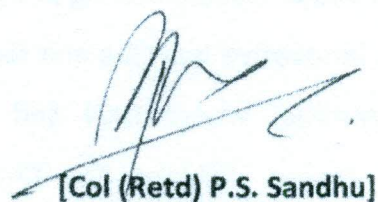
Some of the members were of the opinion that a small advisory group (of approximately five experts, interdisciplinary in expertise levels) be constituted for the R&D expansion plans and activities of the Institute. It was advised that the Institute should make efforts to create difference in research through (a) curriculum development, (b) industry driven courses and (c) post graduate programmes for industry. These ideas were appreciated by members. At this point, the Chairman and members also advised that faculty of the Institute should be encouraged to take up summer internship at industry. They also suggested making provision for sponsoring important and strategic R&D projects of the faculty for development of research



activities at the Institute on the prioritized areas. Members suggested that the project proposals submitted by the faculty may be vetted from external experts for funding by the Institute.

It was decided to discuss the Institute vision again after the ideas and suggestions given by members are discussed at the Institute level and due changes are incorporated in the vision document.

The meeting concluded with a vote of thanks to the Chair.



[Col (Retd) P.S. Sandhu]
Secretary, BOG
03 April 2012

From: director@iiitdmj.ac.in
Subject: BOG minutes 24-2-2012 approved-Please circulate
Date: Mon, April 2, 2012 10:16 am
To: registrar@iiitdmj.ac.in,rg@iiitdmj.ac.in

Dear Col. Sandhu,

Minutes of BOG are approved by the Chairman. Please circulate the attached file containing the minutes of BOG 24-2-2012 meeting by mail to all the members. Hard copy be also sent simultaneously.

Regards,

Aparajita Ojha
Director
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Design & Manufacturing Jabalpur
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Attachments:

BOG-24-2-2012ApprovedMinutes.doc	
Size:	92 k
Type:	application/msword
