

**Indian Institute of Information Technology
Design & Manufacturing, Jabalpur**

**Agenda
The Board of Governors
2008-09/1st Meeting**

Date : July 08, 2008
Time : 15:00 Hrs.
Venue : Conference Hall of NID-Delhi Center Core - 6A
3rd Floor, India Habitat Centre, Lodhi Road
New Delhi

**Indian Institute of Information Technology,
Design & Manufacturing Jabalpur**

First Meeting of the Board of Governors, 2008-09
[To be Held on July 08, 2008]

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BoG/2008-09: 01.01 Overview Report of the Director

Overview Report of the Director shall be presented in the meeting itself.

BoG/2008-09: 01.02 –

**Confirmation of the Minutes of the BoG/2007-08: 2nd
Meeting Held on November 20th, 2007**

Minutes of the 2nd Meeting of the Board of Governors held on 20th November, 2007 were circulated to the members subsequent to the meeting under approval from the Chairman. No comments have been received yet. Minutes are again included herewith as **Annexure 1**. If there are no further comments from the members, Board is requested to confirm the minutes.

**Indian Institute Of Information Technology Design And
Manufacturing Jabalpur**

Minutes of 2007-08/ 2nd Meeting of the Board of Governors

Held on 20th May, 2007 at 3.30 pm

at Conference Room (MHRD) Shastri Bhawan, New Delhi

Members Present:

- 1) Shri. Sudeep Banerjee
Chancellor, NEUPA, New Delhi Chairman
- 2) Prof. Sanjeev Bhargava
Director, PDPM IIITDM Jabalpur Member
- 3) Prof. H P Dikshit
Visiting Fellow, NBHM,
PDPM-IIITDM, Jabalpur Member
- 4) Ms. Seema Raj,
Director (Technical)
MHRD, New Delhi Substituting Mr Ravi Mathur - Member
- 5) Dr. Darlie O Koshy
Director
National Institute of Design, Ahemdabad Member
- 6) Prof Manoj K Harbola
Dept. of Physics
IIT Kanpur, Kanpur Member
- 7) Prof Aparajita Ojha
Professor
PDPM-IIITDM Jabalpur Member
- 8) Ms Alice Chacko
Under Secretary to Govt. of India,
MHRD, New Delhi Special Invitee
- 9) Shri SC Prusty
Finance Officer & Officiating Registrar
IIITDM Jabalpur Acting Secretary

Leave of Absence:

- 1) Prof. Sanjay G Dhande, Director, IIT, Kanpur
- 2) Dr. Pawan Goenka, President – Automotive Sector, Mahindra & Mahindra Ltd. Mumbai
- 3) Shri M Fakruddin, Director (Corporate Planning & Marketing), HAL Corporate Office, Bangalore
- 4) Dr. Manoj Gaur, Managing Director, Jai Prakash Associates Ltd & Director, JIL Info Tech Ltd, New Delhi
- 5) Shri D S Mathur, Secretary, Telecommunication, Govt of India, New Delhi
- 6) Prof. Rajeev Sangal, Director, International Institute of Information Technology, Hyderabad
- 7) Shri Dilip Mehra, Principal Secretary (Technical Education), Govt of Madhya Pradesh, Bhopal

BoG/2007-08: 02.01 – Opening Remarks by the Chairman

Chairman welcomed members and asked the Director to present his Overview Report.

BoG/2007-08: 02.02 - Overview Report of the Director

A. ACADEMICS

- **Strength of Faculty Members and Research Engineers in the Institute:**

The Board took note of the Faculty Members and Research Engineers who had joined IIITDM Jabalpur in recent time and expressed its happiness on their background, areas of interest and specialization and research potential. It also expressed hope that the Institute would be able to attract similar good faculty members and research engineers in future also.

- **Admission of the 3rd Undergraduate Batch in the Institute:**

The Board took note of the development and expressed satisfaction.

- **Curriculum and Running of Various Courses:**

The Board took note of the matter and expressed its satisfaction.

- **Progress Towards the Indo-Japanese Cooperation:**

The Board noted contents presented in the Director's Overview Report. Further, the Director clarified that the proposed Indo-Japanese Cooperation was not viewed by the Japanese Government as an aided programme but as a cooperation of intellectual exchange between the two sides. Hence, as for now, there was no financial commitment from the Japanese side. The Board was also informed that till now Japan had never set up any Institute any where in the world and cooperation to develop IIITDM Jabalpur was a very new experience also for them. Working out the details of cooperation requirements would perhaps take more time. It was informed that the interest among the professors of the Japanese institutes/universities was genuine and they appear very committed to make the programme successful. The Director informed that the faculty exchange programme was very crucial for the further growth of this cooperation. Under the present scheme of things, the travel cost was to be borne by the visiting side and the cost of local transport and living was to be borne by the host.

The Finance Committee noted the above comments and accepted the arrangements made in this regard till now.

- **Workshop on "E-Governance – Specific Applications on Policing", "Data Base Management Systems (DBMS) & Java Application Software Package" and "Designing and Fabrication with Fiber Reinforced Composites":**

The Board expressed its satisfaction on the fact that the Institute, in spite of having limited manpower, had started organizing workshops which were relevant for the societal needs. Board appreciated such activities and suggested more conferences/seminars/workshops in the Institute should be planned in.

- **Research Proposals and Publications by the Faculty:**

The Board appreciated the move by the Institute and further suggested for development in special teaching aids. Board was also of the view that the papers published by the faculty members may be put in the institute web site through a special dedicated server so that other members of the faculty and students benefit out of that.

B. CONSTRUCTION ACTIVITIES

- **Temporary Construction Activities in the IT Bhawan of the Jabalpur Engineering College**

Director briefed members regarding the temporary construction activities which were undertaken by the Institute in the IT Bhawan at the behest of the Board. The Board expressed satisfaction over their timely completion and the fact that due to it the new batch of students admitted in the Institute was not put to any problem and academic activities of the Institute, in spite of having three undergraduate batches, were going on in a satisfactory manner.

- **Repair and Maintenance Activities in Hostel VIII of the Jabalpur Engineering College**

Director briefed members regarding the maintenance and repair work pertaining to Hostel VIII of the Jabalpur Engineering College which was undertaken by the Institute at the behest of the Board. The Board appreciated the timely completion of the above mentioned work and expressed satisfaction on the fact that the new batch of students could be provided hostel accommodation near the Institute itself.

- **Construction Activities in the Institute Campus at Dumna**

Director appraised the members, regarding the construction activities being undertaken at Dumna site of the Campus. He also explained the reasons behind the slow progress of the work. The Board took note of the same and expressed concern over the progress and urged the Institute to take up steps so that the pace of construction is expedited.

C. STUDENTS WELFARE AND RELATED ACTIVITIES

- **Distribution of Notional Prizes and Certificates of Merit:**

Members noted the recommendation of the Finance Committee regarding the change of name of the prize. Board concurred with the recommendation of the finance Committee and agreed to drop the word "Notional" from the name of the prize. It accepted the recommendation of the Finance Committee and approved the change in the name of "Notional Prizes and Certificate of Merit" to "Certificates of Merit and Prizes for Academic Excellence".

- **Holding of English Proficiency Development Classes:**

The Board expressed happiness on such efforts made by the Institute as they were likely to further empower students in the Institute coming from the weaker background.

- **Setting-Up of Students Gymkhana of IIITDM Jabalpur**

The Board noted the structure of Students Gymkhana being worked out by the Institute. Prof Manoj Harbola appreciated the structure in which students' representation in Students Senate was being made on the basis of hostels rather than that on individual batches. In view of the experience of IIT Kanpur in organizing student festivals, he urged the Institute to permit holding of at most one festival per semester. This would minimize the time wasted by students

- **Organization of Gusto' 07, the Games Festival of Students Gymkhana, IIITDM Jabalpur**

The Board expressed its satisfaction over such activities.

- **Arrangement for Music Classes for Students**

The Board expressed its appreciation over such activities arranged by the Institute.

BoG/2007-08: 02.03 – Confirmation of the Minutes of the BoG/2007-08 1st Meeting held on May 11, 2007

The Board confirmed the Minutes of the BoG/2007-08: 1st Meeting held on 11th May, 2007 without any change.

BoG/2007-08: 02.04 Recommendations of the Finance Committee of the Meeting held on November 20, 2007

a) Consideration of Annual Statement of Accounts 2006-07 for adoption:

The Annual Accounts for the year 2006-07, as presented by the Institute and recommended by the Finance Committee were adopted by the Board.

b) Special Measures to be undertaken during Incubation of the Institute:

i) Reimbursement of Medical Expenses to Students

The Board approved the recommendation of the Finance Committee for creation of a Contingency Fund of Rs.1 Lakh to meet out expenses incurred for attending emergency medical problems of students of IIITDM Jabalpur as per its own guidelines/procedures. The institute was further advised to make arrangements for the visits of medical doctors in all hostels on the basis of specific timings.

ii) Communication Facilities in the Institute

Board accepted the need for providing communication facilities to faculty and staff of the Institute at this juncture when it was not possible to operate from its own campus. The matter was discussed in detail. Recommendation of the Finance Committee that the facilities extended by the BSNL may be explored was accepted. This Agenda Item was therefore deferred for the next meeting.

iii) Hiring of Visitors Hostel and Housing for the Faculty and Staff

The Board approved hiring of Visitors Hostel by the institute. Further, the Board accepted the need for hiring of houses for the new bright faculty members as a genuine requirement. The Board urged the Institute to look into alternative models such as "Least Accommodation Scheme" tried out by NID Ahmedabad under similar circumstances. As per recommendation of the Finance Committee, the Institute was asked to defer the item till its next meeting so that an alternative proposal could be presented.

c) Special Measures to be Adopted for Giving TA/DA to Students

The Board accepted the views of the Finance Committee and suggested that the Institute collect providing the data as asked in the next meeting.

d) Consideration of Modified Fee Structure for Undergraduate Courses in 2007-08

The Board took note of the observations of the Finance Committee and suggested accordingly.

e) Appointment of Adjunct Faculty in the Institute

The Board took note of the observations of the Finance Committee and suggested accordingly.

f) Recommendations of Building & Works Committee

The Board was informed about the difficulties and problems faced by the Institute in finalizing the tender for (i) civil works of (a) Hall of Residence II, (b) Lecture Hall & Class Room Complex: Phase I, (c) Mess & Dining Hall I and (ii) electrical work of (a) Hall of Residence I and (b) Core Labs Complex. The Committee was also informed about the progress made regarding civil works. Members were informed that these point were

discussed at length in the meeting of the Buildings & Works Committee (B&WC) held on November 19, 2007.

It was further brought to the notice of the Finance Committee that the negotiated item rates quoted by the lowest contractor were similar for both Hall of Residence I (SH: Electrical) and Core Lab Complex (CLC) (SH: Electrical). In spite of this fact, though the overall quoted cost for the Hall of Residence is within the limits of the sanctioned approval, the overall quoted cost for electrical work of the CLC after negotiation is still above the earlier taken financial approval due to the fact that the CLC, being a lab complex, is designed to have higher number of electrical points and loads on per unit area basis.

The Finance Committee was also informed that since the civil works for the CLC were already been underway any deferment in award of electrical component of work would further amount to a delay in the progress of ongoing civil work.

In view of the above, the following recommendation of the B&WC was considered by the Finance Committee for the work of Construction of Core Lab Complex (SH: Electrical): "The B & WC ratified the decision to award the Core Lab Complex (SH: Electrical) work to the lowest tenderer, M/s Bhardwaj Brothers, at Rs 1, 36, 53, 067/- (Rs. One crore thirty six lacs fifty three thousand sixty seven only) an amount arrived at after negotiation against the earlier approved amount of Rs 1, 03, 49,048/- (Rs One crore three lacs forty nine thousands forty eight only) for the same."

The Board ratified the recommendation of the B&WC and recommended the same to the Board for approving the award of the work of Construction of the Core Lab Complex (SH: Electrical) to M/s Bharadwaj Brothers at Rs 1,36,53,067/- (Rs. One crore thirty six lacs fifty three thousand sixty seven only).

BoG/2007-08: 02.05 **Ratification of Approval accorded by the Chairman on the Recommendations of the Selection Committee for the Panel of Architects**

The Board accepted the recommendations of the Selection Committee for the Panel of Architects and ratified the approval accorded by the Chairman for the appointment of the following in the Panel of Architects of IIITDM Jabalpur. Thus besides M/s Kanvinde-Rai & Chaudhary, who are already an architect of the Institute, the Panel of Architects of IIITDM Jabalpur will have:

1. M/s Architects Atelier Pvt. Ltd, Sector 17-e, Chandigarh
2. M/s Datta & Datta Associates, Mardia Plaza, C. G Road, Ahmedabad

BoG/2007-08: 02.06 **Proposal for Appointment of Prof Amit Ray as an Emeritus Fellow at IIITDM Jabalpur**

Members welcomed the proposal of the Institute for appointing Prof Amit Ray, an eminent Professor of Design and currently an Emeritus Fellow in IIT Kanpur, as an Emeritus Fellow in IIITDM Jabalpur. The Board approved his appointment as an Emeritus Fellow at the Institute for a period of three years from the date of his joining with his salary to be fixed by the Director by keeping in view the Govt of India norms and the reputation he enjoys in the international forum. Prof Amit Ray shall be entitled to attend national and international conferences/ seminars/ workshops/ meetings as per Institute norms with due approval from the competent authority. As permissible to other faculty members of the Institute, Prof Amit Ray will be authorized to guide/carry out his research at the Institute and will be allowed to submit his own sponsored research proposal to suitable funding agencies. Till the Institute starts operating from its own campus and residential accommodation is provided to faculty members in the campus itself, the local transport to-and-fro the Institute shall also be provided to him.

BoG/2007-08: 02.07 Appointment of Adjunct Faculty at IIITDM Jabalpur

The need to have Adjunct Faculty Members due to (a) non-availability of well-qualified faculty members in some areas of specialization and (b) less exposure of the existing faculty members in different areas of studies was pointed out by the Director. Some members proposed other alternative models for appointing Adjunct Faculty in the Institute. The Director clarified that IIITDM, apart from the regular faculty positions, has already been maintaining the following categories for faculty members:

- (1) **Visiting Faculty** – Persons who have submitted their PhD thesis in some IIT or a prestigious Institute but have not defended prior to applying at IIITDM are given an ad-hoc appointment of Visiting Faculty if recommended either by the Selection Committee or the Faculty of the Institute after a successful seminar given in the Institute.
- (2) **Guest faculty** – Persons of eminence in their specialized areas of research are invited to deliver special lectures which are not part of any course. There is no long term commitment towards the Institute by the Guest Faculty.

The proposal of the Institute for the Adjunct Faculty, as recommended by the Finance Committee in details. Some members proposed that In order to optimize the cost of air fare of the Adjunct Faculty on per lecture basis, the Adjunct Faculty should be required to stay in the Institute for a minimum period of two weeks. Several other members, however, pointed out that ensuring a period of two weeks of a stay at a stretch may not be practicable for persons of high repute.

In view of the proposal of Adjunct Faculty being critical for the future nourishment and growth of the new Institute, the Finance Committee recommended it to the Board with the following terms and conditions:

- A. Names of eminent academicians/professionals from (i) IITs, IISc Bangalore and other institutes of good repute in India, (ii) universities and institutes outside India and (iii) industries of repute will be cleared for making them Adjunct Faculty at IIITDM Jabalpur by the sub-committee of the Senate,
- B. For the purpose of organizing special lectures by Adjunct Faculty, the Institute would pay the to-and-fro air fare within India/ AC I train fare, as applicable, for each visit to the Institute. However, in order to minimize the travel cost per lecture, the Institute would try to keep the stay of the Adjunct Faculty for more than 10 lectures per visit to the Institute,
- C. The Institute would take care of the local hospitality and transport during the stay of the Adjunct Faculty at the Institute,
- D. An honorarium up to Rs 3000/- per lecture would be admissible to the Adjunct Faculty.

BoG/2007-08: 02.08 Any other Item with the Permission of the Chair.

There being no other items for discussion the meeting ended with a vote of thanks to the chair.

sd/-
(Prof. S Bhargava)
Director

sd/-
(Shri S C Prusty)
Acting Secretary

Approved

sd/-
(Shri Sudeep Banerjee)
Chairman, Board of Governors

BoG/2008-09: 01.03 Recommendations of the Finance Committee of the Meeting held on November 20, 2007

The Finance Committee took the following items for discussion during its meeting held on 20th November, 2007. However, the decision on them was deferred due to the requirement of further information:

- a) Leased Accommodation Scheme of the Institute
- b) TA/DA to Post Graduate & Research Students for attending National/ International Conferences based on their research work done in the Institute.

The information on the two items, as suggested by the Finance Committee, was collated and is to be discussed by the Finance Committee in its meeting prior to the Meeting of the Board on 07th July, 2008. The recommendations of the Finance Committee shall be presented to the Board during the meeting itself.

In addition, the Finance Committee shall also discuss the following items:

- c) The Audit Report 2006-07 from AG(MP) Gwalior
- d) Consideration of Annual Accounts: 2007-08,
- e) Budget Estimates of 2008-09
- f) Recommendations of the Buildings & Works Committee [Meeting held on 07th July 2008]
- g) Positions of Non-Academic Staff Requirement in next five years

Recommendations of the Finance Committee shall be placed before the Board in the meeting itself.

BoG/2008-09: 01.04 Approval of the M Des Programme of the Institute as Recommended by the Senate

As per directive of the Board, the Institute started its M Tech programme in 2006-07 and subsequently the PhD programme in 2007-08. Being committed to the education and research in the fields of Design & Manufacturing, a National Committee comprising of the following experts was constituted:

1. Prof. U. A. Athvankar,
Professor
Industrial Design Centre (IDC), IIT Bombay
Mumbai- 400076
2. Prof. Lalit Das, Head,
Professor
Instrument, Design & Development Centre (IDDC), IIT Delhi
Hauz Khas, New Delhi-110 016
3. Prof. Ravi Mokashi,
Professor & Head,
Department of Design,
IIT Guwahati
4. Dr. Puneet Tandon,
Associate Professor, IIITDM Jabalpur
Jabalpur
5. Mr. Ashok Panwalkar,
Creative Director
3F Home Design Elements
Pune 411004
6. Prof. Amit Ray
Professor, Humanities & Social Sciences,
IIT Kanpur
Kanpur 208016

The National Committee welcomed the proposal of starting the M Des programme at IIITDM Jabalpur. Since the Institute desired that the M Des programme of the Institute be started from Semester I, 2008-09, it gave the green signal to the Institute but required that a blue print of the programme be submitted to it for its deliberations. Based on the clearance given by the National Committee, the Institute proposed the outline of its M Des programme in the Senate in the meeting held on January 04, 2008 (**Annexure 2**).

The Board is requested to approve the starting of the M Des programme at IIITDM Jabalpur. As is being done for its other programmes, the finer details of the M Des programme will evolve further in the near future.

Indian Institute Of Information Technology, Design & Manufacturing, Jabalpur

A PROPOSAL FOR MASTER OF DESIGN

Objective:

Design profession synthesizes creativity with logical mind and technical knowledge. In such profession the multidisciplinary approach is the key of the success. It is the attitude that makes him/ her designer. A true designer is like an artist who does not believe in any religion. The mind has to be liberated from all restrictions and confinements of fenced knowledge. Religion of designer is to serve people irrespective of their religion, race, cast, age or sex. Such philosophy is only possible through liberal attitude and unbiased vision. Designers are the true global citizen who believes in humanity. Liberalism may some time appear fashionable term to introduce in education system without understanding and practicing in the true spirit. The philosophy of liberal education envisages liberating one's mind free without any fear. Freedom of mind is the source of creativity.

With the increasing globalisation, the needs of consumers are varying rapidly requiring continuous and innovative development of new products and processes. Expanding the fields from Interaction Design to Visual Communication, Emotion in Design to Color Psychology, Product Design to Ergonomics the design profession has expanded its wing in true multidisciplinary profession. Design Curriculum involves subjects ranging- science, technology, design, art, philosophy, sociology, psychology, cognitive science, literature, graphics to performing arts. To meet this new challenges a comprehensive and formal training through a curriculum is the need of the society. There is a growing demand of specially trained graduates in the field of Design for the national and international industries. The post-graduate programme of Design at IIITDM, Jabalpur is conceived in developing to meet these challenges.

The Master of Design Programme at IIITDM Jabalpur envisages establishing a unique curriculum in the country in which the students are required to acquire knowledge and skills in information, media and design technology in a holistic manner. Information being the vital raw material would synthesize manufacturing technology, electronics and information technology through a multidisciplinary curriculum. The programme is based on a unique blending of functional, aesthetic and ergonomic aspects of design. The students would develop their innovative and aesthetic sensibilities into making a coherent and appropriate product. The students are encouraged to solve socially relevant problems. The institute has the advantage of having highly reputed academicians in all these areas.

Proposed Courses in Design:

Semester I

1. DES 001 Elements and Principles of Design I (Compulsory)
2. DES 002 Product Design I (Compulsory)
3. DES 003 Ergonomics (Compulsory)

The above proposed sets of courses are to help the students in the first semester to understand the basics of design studies. Since majority of the students are going to have exposure to the design profession for the first time, it is essential to clarify the fundamental concepts of design. Elements and Principles of Design teach the fundamental principles of visual expression. Product Design courses explains the design philosophy, design process, manufacturing process, problem solving, fit and

misfits of design, etc. Ergonomics is essential subject to understand man and machine relationships. Introduction to the studies of Design Paradigm in relation to Ergonomics is essential.

Semester II

- 4. DES 004 Art & Aesthetics (Compulsory)**
- 5. DES 005 Interactive Design (Compulsory)**
- 6. Elective**

Students are required to get exposure in design and its relationship with art. Aesthetics is one of the most important components of design profession. At this stage students are required to understand the basic fundamentals of *Interactive Design* that is directly related to Information Technology. Students at this time should be able to expand their knowledge in other field of their choices. The introduction of the first elective course would encourage students to start exploring other subjects/ fields of interest.

Semester III

- 7. Elective**
- 8. Elective**
- 9. Thesis Unit (Compulsory)**

In the second year students should get chance to start exploring various other design related interdisciplinary subjects. The elective courses would also lay the foundation for their area of research works. The flexibility in allowing the students to choose subjects of their interests would generate the spirit of liberal education system, which is one of the most important aspects of innovative and creative works. During this semester the students start their thesis research work as well.

Semester IV

- 10. Elective**
- 11. Thesis**
- 12. Thesis**

The final semester students devote time in their thesis work. However, one elective course may strengthen their thesis related knowledge further more.

Following Courses to be offered as Electives

The following courses cover various design related subjects that students should be able to explore. The elective courses would create multidisciplinary knowledge based professionals.

- 6. DES 006 Design Paradigm**
- 7. DES 007 Art, Design and Society**
- 8. Traditional Design & Handicraft**
- 9. Visual Communication**
- 10. Communication (literature)**
- 11. Product Design II**
- 12. Human Computer Interface (HCI)**
- 13. Nature of Materials and Processes**
- 14. Design Management and Professional Practice**
- 15. Product Planning and Marketing**
- 16. Contemporary Trends in Theater, Film and Art**
- 17. Studies in Form**
- 18. Elements of Design II**
- 19. Advanced Studies in Form**
- 20. Animation**
- 21. Advanced Ergonomics**
- 22. Computer Aided Industrial Design (CAD/CAM)**
- 23. Craft, Creativity and Post-modernism**

- 24. Methodology of Criticism of Art & Aesthetics
- 25. Independent Study- a seminar course
- 26. DES 007 Product Design II
- 27. DES 008 Nature of Materials and Processes

Course Contents

DES 001 Elements and Principles of Design I (compulsory)

- The Elements of Design
- The Principles of Design
- Introduction to basic elements and concepts of visual design: line, texture, colour, form balance, proportion, size, shape, mass, unity and variety.
- Spatial relationship and compositions in 2-D and 3-D space, 2 dimensional radii manipulation and form transition
- Exercises in graphic composition and layout
- The use of grids in graphics composition
- Freehand sketching- perspective, ratios & proportions, light & shade

DES 002 Product Design I (Compulsory)

- The course intends to raise issues that directly or indirectly influence the context and the products
- Courage in Design Decision
- Group assignments on assessing relevance of available products with respect to the context
- What is Problem? And Problem solving
- Familiarization studies and programming for detailed investigation of context
- Developing questionnaires, interviewing users and selecting suitable techniques to study use behavior and reactions, interviewing and observing user and photographic studies of products in use, Understanding market demands and manufacturing constraints
- Documenting and interpreting data and formulating conclusions
- Comparative analytical studies in other creative fields
- Product in product design

DES 003 Ergonomics- Human Factors in Design (Compulsory)

- Human factors are the study of the interactions between human beings and the products they use and the environments in which they work and live
- Its central theme is design for human use through the recognition of human capabilities, needs, and limitations.
- Other terms used to describe this field of study are engineering psychology, human engineering, ergonomics, bioengineering, and biomechanics, etc.
- It is the science dealing with functions of living organism and their parts.
- Human organs in design- visual, tactile, and auditory senses and how they relate to products and environments
- Ergonomics and Paradigm

DES 004 Art & Aesthetics (Compulsory)

Exposure to tradition and Modern Art; art's relationship with aesthetics; philosophy of aesthetics; a short art and design history; evolution of design from early human civilization (Stone Age); Modern Art and Bauhaus;

DES 005 Interactive Design

Interaction is a basic nature of all the living beings. Each community develops their own nature of interactive characteristics. Traditionally human beings have cultivated interactive activities for various social reasons. Through ages people seemed

to regard "interactivity" as the unique cultural discovery of the electronic age, and they demanded a coherent definition. Web design could be a typical example that covers the area of 'interaction design'. By interaction it means any communication between a user and computer, directly or indirectly. 'Direct interaction' involves a dialog with feedback and control throughout the performance of the task. 'Indirect interaction' may involve background or batch processing. The important thing is that the user is interacting with the computer in order to accomplish something. The course explores various aspects of human computer interfaces and its applications.

Conclusion:

The Design Programme at IITM Jabalpur should establish knowledge based center for the future design professionals. The strength of various other engineering departments, such as- electronics, electrical engineering, mechanical, material science, computer science, etc. should strengthen the programme in term of innovation and analytical work. The proposed curriculum envisages developing a true liberal education environment along with analytical strength would inculcate creativity and innovation design atmosphere. The flexibility in the interdisciplinary programme should be the strength of the department. In India no design department has created such liberal environment. IITDM Jabalpur should create its benchmark not only in India among other IT institutes and design schools but also create its impression internationally.

ELECTIVES:

Art Design and Society

The Bauhaus and its contribution in the history of design profession in Europe and America. Contribution of Bauhaus to the modern society. Art in Design- a survey of major developments of 20th Century painting, sculpture and architecture. Changing cultural pattern and its influence on the above medium. Influence of television on films and new media. Urbanization and understanding contemporary urban forms.

Visual Communication

A short history of art and communication medium; Study of geometry of elements in products and its application in object drawing; Product presentation in various media like pencil, ink and colour; Presenting thoughts and ideas in design through sketches, perspective and exploded views; Presentation of product design concepts through simplified graphics presentation.

Introduction of type-faces, Typography and printing; Introduction to colour photography

BoG/2008-09: 01.04 Approval of the Recommendations of the Selection Committee for the Faculty

Faculty positions for the posts of (i) Associate Professor and (ii) Assistant Professor respectively, with the prescribed qualifications and requisite experience, were advertised by the Institute as per the advertisement No. IIITDMJ/2008/FA-01 dated The duly constituted Selection Committee met on June 27-28, 2008 and made recommendations regarding the Selection of candidates for the faculty positions in the Institute. Recommendations of the Selection Committee shall be placed before the Board in the meeting. The Board is requested to approve the recommendations of the Selection Committee.

BoG/2008-09: 01.05 Any other Item with the Permission of the Chair: