Minutes of the 24th Senate Meeting held on Tuesday, 23rd December 2014 at 2:30 PM at the Board Room, IIITD&M Kancheepuram, Chennai - 600 127

The 24th Senate Meeting was held on 23rd December 2014 at 2:30 PM at the Board Room, IIITD&M Kancheepuram, Melakottaiyur, Chennai -600 127. The meeting was attended by

**Prof. R. Gnanamoorthy, Director,
Chairman**

Members:

Prof. S. Narayanan	Dr. B. Ravikishore
Prof. S. Santhakumar	Dr. C. Mathiazhagan
Prof. K. Chandrasekaran	Dr. G. Venkatesh
Prof. P.Chandramouli	Dr. AnandLakshmanan
Prof. Nilesh J Vasa	Prof. K. M. M. Prabhu
Prof. Harishankar Ramachandran	Dr. P. Damodharan
Prof. V. Jagadeesh Kumar	Dr. B. Shahul Hamid Khan
Prof. S. Ganesh Sundara Raman	Dr. Shak Noor Mahammad
Prof. Krishna Vasudevan	Dr. Priyanka Kokil
Prof. Raghu V Prakash	

Invitee

Dr. S. Jayavel	Dr. C.S. Ramalingam

Prof. R. Ramanujam, Prof. Hema A. Murthy, Prof. L Vijayaraghavan, Prof. Krishnamoorthy Sivalingam, Dr. Sathya Prasad, Mr. Sandeep Ghosh and Dr. V. Masilamani could not attend the meeting.

The Chairman welcomed the new members, Dr. G. Venkatesh, Chief Technology and Strategy Officer, M/s. Sasken Communication Tech Ltd, Dr. AnandLakshmanan, Senior Manager - Unit Head, M/s. Ericsson India Global Services and Dr. Priyanka Kokil, Warden, Girls Hostel of IIITD&M Kancheepuram to the Senate.

A.1	**Presentation on functioning of the Institute**
	Prof. R. Gnanamoorthy informed the Senate about the inauguration of G+6 New Academic Block, G+14 Storied Boys Hostel, Ashwatha, and Mega Dining Hall, Akshya in July 2014. Various facilities in each building were briefed. Senate was also intimated about the motivating lecture by Prof. Karmalkar, IIT Madras which is a part of Teachers Day's Celebrations. Chairman briefed about the interactive session by Shri L. Prasad, Training Head, M/s Ashok Leyland during the Engineers Day events. Mahatma Gandhiji's birthday celebrations and Swachh Bharat activities on Oct 2, 2014 was elaborated to the Senate.
	The Chairman informed the Senate about the passing of the IIIT bill in the Winter Session of the Parliament declaring the Centrally Funded IIITs as Institutes of national Importance. Senate was also informed about the details of students who are yet to be awarded degree even after completion of the academic requirements for the past three years. Various issues faced by the students due to the unavailability of degree certificates were also discussed. Senate appreciated the efforts put by the Institute and Ministry in solving this issue.
	Senate discussed and approved to proceed with organizing the convocation for the all the students who are yet to be awarded by the Institute during Jan 2015.
A.2	**To confirm the minutes of the 23rd meeting of the Senate held on 21st July 2014**
	The Minutes of the previous 23rd meeting of the Senate held on 21st July 2014 were circulated to all members. Some members expressed to have a legal opinion on the Disciplinary Action taken by the Institute on students (Res 13/2014). The Legal opinion obtained by the Institute on this matter was presented to the Senate. The Senate **confirmed** the minutes of the 23rd meeting.
A.3	**To report the action taken on the minutes of the 23rd meeting of the Senate held on 21st July 2014**
	Noted
A.4	**To report about B.Tech./DD, M.Des. and Ph.D. admission for the year 2014-15**
	The Chairman presented the details (category wise starting and ending ranks) of students admitted to B.Tech., Dual Degree, M. Des. and Ph.D. programmes for the year 2014-15 before the Senate. The details are given in **Annexure I**. The Senate noted the same.
A.5	**To consider the academic calendar for 2015**
Res No. 14/2014	Academic Calendar of the Institute for the year 2015 was put up before the Senate. The Senate **Resolved** to approve the Institute's academic calendar for the year 2015 as given in **Annexure II**.

A.6	**To consider the proposal for taking up Trainees for library at this Institute**
Res No. 15/2014	The Institute has the state of art of Library management systems such as open sourse software magagement, hardware for inventory management etc. It is felt that the Institute can provide on-job training to the graduates in Library Science as done in IITs. It is mentioned that with the assistance of Library Trainees, the Library will be made available for the students and faculty till 10 PM everyday and on Saturdays. The Senate **Resolved** to recommend the proposed 'Library Trainee Scheme' to the Board for its approval as given in **Annexure III**.
A.7	**To consider the introduction of an elective course**
Res No. 16/2014	A proposal on an elective course titled "Sustainable Manufacturing" from Mechanical Engineering discipline was submitted to the Senate. The Senate **Resolved** to approve the proposed elective course as given in **Annexure IV**.
A.8	**To ratify the decision of Disciplinary Committee on malpractice by students in the semester/supplementary examinations held in May 2014 and misconduct activities by students in the Institute**
	Some students were found indulging in malpractice during the examinations conducted by the institute during Dec 2013 to May 2014 and few other students involved in indiscipline activities in the Institute and hostel. Disciplinary committee looked into these matters and recommended for the actions against these acts of indiscipline and malpractices based on the rules of the Institute. Name of the students who were involved in malpractice or acts of indiscipline in the Institute and the recommendations by the disciplinary committee for them are given in **Annexure V**. Parents of these students have been informed about the incidents. The Senate suggested to mention the specific act of indiscipline/misconduct in Annexure V and to consider giving the student community service related work as corrective action/welfare measure, wherever possible.
A.9	**To discussion the proposal on 'Interactive Learning Approach' at IIITDM**
Res No. 17/2014	The Chairman briefed the Senate about the need of student centric learning in the Institute and made a presentation covering the following points. *In order to impart quality education to the current generation, IIITDM follows 'experiential learning' approach in its academic programs.In the academic programs introduced since 2007, following are important points that are incorporated in the curriculum* 1. *Most of the theory courses have the practice courses simultaneously running in the same semester or followed in the subsequent semesters,*

2. *The Credit points followed for the practice courses are 2 instead of 1 followed at that time in IITs.*
3. *All the lab courses are seriously evaluated similar to the theory courses.*
4. *The labs are equipped with the state of the equipment and software.*

In order to further enhance the learning part, it is felt necessary to shift from the 'traditional teaching' approach to the 'interactive learning' approach in this digital world. Extensive studies conducted on the lecture based courses revealed that the students are attentive only for about 10 – 15 min, i.e., for the 25% of the lecture. In this digital world, with the availability of the best lectures / lecture materials freely in the web, students find less interesting in the routine classes. Although the 'traditional teaching' methods are designed well from the 'delivery' part, the actual 'learning' component seems to be poor. In current higher education system in India, it is observed that the student engagement in academic activities is very less. It is well reported that the learning is more effective when the student participates actively in the teaching-learning process more.

In this scenario, it is proposed to have a relook into current teaching so as to make it more exciting to the future generation through 'student centric learning or interactive learning' approach. Following are proposed for consideration:

1. *Faculty will act as a 'felicitator of learning'. Need to advice about the various learning tools, web lectures, etc, in addition to his/her own lectures.*
2. *Students need to be made active in learning process and be made responsible for their learning. Students may be asked to give individual projects, lectures, participate in discussions, in addition to assignments.*
3. *The revised curriculum needs to be framed such a way that only about 50% of the contact hours will be used for delivering lectures by the faculty directly. The topics that are expected to be absorbed by the students in remaining about 50% of contact hours of lecture in traditional class room lectures, have to be leant by the students out of their own efforts which will be assessed.*
4. *As the faculty has about 50% of class hours available for interaction, the new approach will facilitate better interaction.*

The assessment pattern currently followed demands only mostly memorization process and text book oriented. It is also proposed to have the following pattern for the theory courses:

➢ *25% for Mid Semester*
➢ *25% for End Semester*
➢ *50%for Self learning approach adopted by the faculty*

Some possible issues during implementation stage:

	1. *The topics in each course need to be relooked and reframed so that 'lecture parts' and 'self learning parts' are clearly identified.* 2. *Management of self learning evaluation in large class size: As the regular lecture hours are made only for about 50%, the teacher has about 20 hours in each course allotted for this purpose. For example in a class size of 60, each student will have about 20 min available directly for evaluation of his/her presentation. His/her involvement in other presentations / projects will also facilitate evaluation.* 3. *Teacher has to have clear policy elaborated in the beginning of course about the evaluation methodology for self assessment part.* Following are the observations of the Senate: i) In general, Senate felt the participation from the students in the current learning process is not good and engagement of students beyond class hours for academic activities needs to be increased. ii) Participation of the students in the learning process needs to be stimulated by the way of 'discussions'. iii) Instead of 50% of contact hours earmarked for 'interactive learning' about 30% may be tried initially. The Senate **Resolved** to recommend that the Institute may adopt this methodology for some courses initially.
A.10	**Creation of Ordinances and Regulations of Dual Degree Programmes**
Res No. 18/2014	Ordinances and regulations of Dual Degree Programmes of the Institute were submitted to the Senate for its discussions and approval. The Senate considered the proposal and Resolved to approve the Ordinances and Regulations of Dual Degree programmes as given in **Annexure VI** with few corrections of typographical errors.
A.11	**To consider the proposal of admissions under DASA category for M. Des.**
Res No. 19/2014	In order to facilitate internationalization of the Institute, it is proposed to admit students to postgraduate programmes at IIITD&M Kancheepuram under DASA (Direct Admission of Students Abroad) scheme. The postgraduate programmes offered are: 1. Master of Design - Mechanical Systems 2. Master of Design - Electronic Systems 3. Master of Design - Communication Systems Proposed number of seats in each branch under DASA category is 2 (total 6), and intake is limited to 15% of the admission capacity.

Sl. No.	PG Programme	Eligibility	No.of Seats

1	Communication Systems (CDS)	(a) B. Tech. or Equivalent in
		  1. Electronics and Communications Engg.
		  2. Electrical & Electronics Engineering
		  3. Electronics & Instrumentation Engg.
		  4. Engineering Physics
		(b) M. Sc. Electronics
			2

2	Electronic Systems (EDS)	B. Tech. or Equivalent in
		  1. Electronics and Communications Engg.
		  2. Electrical & Electronics Engineering
		  3. Instrumentation
		  4. Engineering Physics
			2

3	Mechanical Systems (MDS)	B. Tech. or Equivalent in
		  1. Mechanical Engineering
		  2. Automobile Engineering
		  3. Production and Industrial Engineering
			2

	Total Seats		6

The admission of Foreign Nationals/ Persons of Indian Origin/ Non-Resident Indians to undergraduate programmes in premier Technical Institutions is being offered under DASA scheme of MHRD. DASA 2015-16 is coordinated and organized by Malaviya National Institute of Technology, Jaipur. The detailed procedure and guidelines including eligibility criteria, seat matrix, information brochure, participating institutes and application form etc.

The Senate **Resolved** to approve the proposal about admissions under DASA category for admission to M. Des.

A.12	**To consider the proposal of Honorarium for the external examiners for evaluation of Ph. D. thesis of this Institute**
Res No. 20/2014	The Institute is offering Ph. D. programmes from 2009 onwards. The Senate Resolved to recommend the payment of Honorarium to the external examiners for evaluation of Ph. D. thesis of this Institute as follows: <table><tr><td>Programme</td><td>Evaluation of Thesis</td><td>Viva Voce</td></tr><tr><td rowspan="2">Ph. D.</td><td>For Indian Examiner- Rs. 10,000/-</td><td>Rs. 3000/-</td></tr><tr><td>For Foreign Examiner- US$ 400/-</td><td>-</td></tr></table> The Indian Examiner will be paid the TA/DA for participation in the Viva Voce as per Institute norms.

The meeting concluded with thanks to the Chair.

Sd/-
Chairman, Senate