INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

DESIGN AND MANUFACTURING, KANCHEEPURAM

Minutes of the 33rd Senate Meeting held on Friday, 20th January 2017 at 3:00 PM at the Senate Hall, IIITDM Kancheepuram, Chennai-600 127.

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Following members attended the meeting:

Chairman:

Prof. R. Gnanamoorthy, Director

Members:

Dr. S. R. Pandian	Dr. Sudhir Varadharajan
Prof. P Chandramouli	Dr. G Venkatesh
Prof. Krishnamoorthy Sivalingam	Dr. Anand Lakshmanan
Dr. V Masilamani	Dr. B Shahul Hamid Khan
Dr. P Damodharan	

Invitee

Dr. Tapas Sil	Prof. S. P. Venkatesh
Dr. B Sivaselvan	Dr. Binsu J Kailath
Dr. Shak Noor Mahammad	Dr. J. Umarani
Dr. N Sadagopan	Dr. Senthilkumaran K
Dr Premkumar	

Prof. V. Jagadeesh Kumar and Dr. M. Sathya Prasad could not attend the meeting. The Chairman welcomed the members and briefed the Senate about the functioning of the Institute and some of its recent major activities.

A.1	To confirm the Minutes of the 32nd Meeting of the Senate held on 3rd November 2016		
	The Minutes of the 32nd Meeting of the Senate held 03rd November 2016, were circulated to all members of the Senate. No comment is received from Senate members. The Senate **confirmed** the Minutes of 32nd Meeting.		
A.2	To report the action taken on the Minutes of the 32nd Meeting of the Senate		
	Res. No. 14/2016	To approve the syllabus of the course titled, "Embedded System Design" of the 6th semester for B.Tech and Dual Degree programs in Electronics & Communication stream.	Implemented.
	Res. No. 15/2016	To discuss and approve the proposed course contents of 2nd, 3rd and 4th-year curriculum for B.Tech in "Mechanical - Smart Manufacturing".	Revised syllabi as suggested by the Senate.
	The Senate **noted** the same.		

Items for Approval

A.3	To discuss and approve the revised syllabi of few courses of B.Tech in "Mechanical - Smart Manufacturing"
Res.No. 01/2017	Syllabi for the courses of 2nd, 3rd and 4th year B. Tech in "Mechanical - Smart Manufacturing" program had been put in the 32nd meeting of the Senate for its approval. The Senate suggested revising some of the course contents while approved the rest. Experts in these subjects have discussed and revised the contents as given in **Annexure 'A'**. The Senate **discussed and approved** the revised course contents with few minor changes which are incorporated in the syllabi presented in the **Annexure A.**

A.4	**To consider the proposal for introduction of a new program, Master of Technology (M. Tech) in Smart Manufacturing**
Res.No. 02/2017	IIITDM Kancheepuram is offering B.Tech - Mechanical-Smart Manufacturing from 2016. Many students choose this new program and Institute received enquiries for the post graduate level program in this emerging need by the industry.

A committee has been formed to look into the possibility of starting a new program, Master of Technology (M Tech) in Smart Manufacturing. After holding brainstorming sessions on 25th, 28th and 30th November, 2016 and 9th December 2016, with industry experts and academicians, the committee recommends the program for offering at IIITDM Kancheepuram as it matches with the mandate of the Institute. The committee has also suggested a tentative curriculum for the M. Tech program as given in **Annexure 'B'.** Institute is also looking for scientific (like NIELIT) and industry (like GE) as partners who can contribute to the success of the program. Admission to the program will be based on the GATE score and through central counselling like other M Des programs offered by the Institute. Total number of seats will be limited to 15 following the reservations as per GoI rules.

The Senate discussed and RESOLVED to recommend to Board for the introduction of Master of Technology (M. Tech) in Smart Manufacturing from 2017-18 onwards. Senate has recommended for joint degree program with National Institute of Electronics & Information Technology (NIELIT) provided they contribute to the program significantly. Senate has also approved to contact reputed industries to be partners to the program. |
| **A.5** | **To approve the revised curricula of Master of Design programs** |
| **Res.No. 03/2017** | As the curricula of Master of Design programs (Communication Systems, Electronic Systems, and Mechanical Systems) are almost five years old, a committee has been formed to look into the structure and contents of the curricula and propose a revised one by taking the views of institute faculty, alumni, present students and external subject experts. Committee collected the views by circulating Google sheets on 24th and 27th November 2016 and 7th |

	December 2016 and conducted brainstorming sessions with internal and external subject experts on 28th and 30th November 2016 and 9th and 27th December 2016 to discuss the views and evolve the optimal curriculum. The revised curricula proposed by the committee are given in **Annexure 'C'.**
	The Senate discussed and approved modifications in the revised curriculum and syllabi for all branches of Dual Degree as given in **Annexure 'C'.**
A.6	**To approve the proposed elective courses**
Res.No. 04/2017	It is proposed to introduce elective courses titled,
	a) "Solid State Devices" for UG and PG students
	b) "VLSI Technology" for UG and PG Students.
	c) "MOS Modeling for VLSI Circuits" for UG and PG students.
	d) "Sensors and Measurements" for UG and PG students of electronics.
	Detailed syllabi for the above courses are prepared after consulting experts from other reputed Institutes and are given in **Annexure 'D'.**
	The Senate discussed and approved the proposed elective courses.
A.7	**To approve the change the eligibility criteria for the admission to the PG program**
	Subsequent to the revision of the curricula of PG programs, suggestions were invited on the need for a change in eligibility criteria for the admission to the PG programs (Master of Design programs in Communication Systems, Electronic Systems, and Mechanical Systems). Proposed changes are given in **Annexure 'E'.**
	The Senate approved the changes in the eligibility criteria for admission to PG programs.
A.8	**To approve the eligibility criteria for the admission to the proposed new program, M.Tech in Smart Manufacturing**
Res.No. 05/2017	For the new program under consideration, M. Tech in Smart Manufacturing, following eligibility criteria for the admission are suggested:

Program Name	Criteria
M. Tech in Smart Manufacturing	Qualifying Degrees: Bachelor in all disciplines in

			Engg./Technology.	
			Applicable GATE Paper:	
			1. Aerospace Engineering	
			2. Computer Science and Information Technology	
			3. Electronics and Communication Engineering	
			4. Electrical Engineering	
			5. Instrumentation Engineering	
			6. Mechanical Engineering	
			7. Production and Industrial Engineering	
	The Senate discussed and approved the eligibility criteria for admission to M. Tech in Smart Manufacturing program.			
A.9	**To approve the formula for converting CGPA to an equivalent percentage**			

Res.No. 06/2017	The institute is following the formula to convert CGPA to equivalent percentage of marks (Res.No. 15/2011) as demanded by universities/government organizations for the award of scholarship/recruitment,
	
	     % of marks = 9.5*CGPA.
	
	It is proposed to change the formula as,
	
	     % of marks = 10.0*CGPA,
	
	as many government institutes are following nowadays.
	
	The Senate discussed and approved the revised formula to convert CGPA to an equivalent percentage of marks.			

Sd/-

Chairman