

MINUTES OF THE 36th MEETING OF THE SENATE

HELD ON

Saturday, 09 Dec 2017



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING, KANCHEEPURAM**

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING, KANCHEEPURAM

Minutes of the 36th Senate Meeting held on Saturday, 09th December 2017 at 10:00 AM in the Board Room, IIITDM Kancheepuram, Chennai-600 127.

Members attended the meeting:

1. Prof. Banshidhar Majhi, Director (Chairman)
2. Dr. S. R. Pandian (Dean Planning)
3. Dr. SudhirVaradharajan (Dean, Des. Inno&Incub)
4. Dr. Sivaselvan B (Asso. Dean, Student Welfare)
5. Dr. Tapas Sil (Asso. Dean, Academics)
6. Dr. Jayavel S (Cochairperson, SMEPS)
7. Dr. Selvajyothi K (Cochairperson, SCEE)
8. Prof. Krishnamoorthy Sivalingam (CS, IITM)
9. Dr. Anand Lakshmanan (M/s Ericsson India)
10. Dr. G. Venkatesh (Sasken Comm.Tech.Ltd)

Invitee

1. Dr. Anumula Sunilkumar (PHY)
2. Dr. B. Shahul Hamid Khan (ME)
3. Dr. Binsu Kailath (ECE)
4. Dr. Priyanka Kokil (ECE)
5. Dr. Umarani J (CSE)

Members Absent:

1. Prof. Chandramouli P (IITM)
2. Prof. V. Jagadeesh Kumar (IITM)
3. Dr. M Sathya Prasad (M/s Ashok Leyland)

Leave of absence was approved for all members absent.

<p>2017-36-Senate-01:</p>	<p>Welcome to the members and invitees by the Chairman.</p> <p>The Chairman welcomed all Senators and Invitees and briefed the Senate about the functioning of the Institute including several events being conducted in the Institute since the last meeting of the Senate.</p>
<p>2017-36-Senate-02:</p>	<p>To confirm the minutes of the 36th meeting of the Senate held on 17th June 2017.</p> <p>The draft minutes of 35th Meeting of the Senate held on 17th June 2017, provisionally approved by the Chairman of the Senate were circulated to all members. No comments/suggestions on the correctness of the recording of the minutes have been received from any member.</p> <p>The Senate confirmed the Minutes of 35th Meeting.</p>
<p>2017-36-Senate-03:</p>	<p>Report on Action Taken on the decision of the 36th meeting of the Senate held on 17th June 2017.</p> <p>Res. No. 11/2017 To shift the courses, “Human Computer Interaction”, and, “Mechanical Design of Electronic Systems”, from the 7th semester to the 9th semester for the Dual Degree (CED and ESD+EVD) students effective from 2014 batch onwards. Implemented</p> <p>Res. No. 12/2017 To increase the maximum number of credits that a student can earn from the online courses and add MOOCs (SWAYAM) to the list of approved recourses for online courses. Implemented</p> <p><i>Senate noted the same.</i></p>
<p>A.</p>	<p>RULES, PROCEDURES, CURRICULA AND POLICY MATTERS</p>
<p>2017-36-Senate-04:</p>	<p>Proposal for approving the academic calendar for 2018:</p> <p>Academic calendar of IIITDM Kancheepuram for 2018 is given in Annexure A1</p> <p><i>The Senate approved the proposed Academic calendar.</i></p>
<p>2017-36-Senate-05:</p>	<p>Revision of the Students’ attendance rule:</p> <p>As per the approval of the Senate, a student must have 85% attendance in a course to be eligible for writing the End Semester Examination. Otherwise, the student will be awarded a “W” grade and will have to repeat the course. Students also avail the approved medical leave (ML), on-duty (OD) leaves etc. over and above the 15% unauthorized absence. There is no specific cap for the OD and</p>

	<p>ML.</p> <p>It is proposed to change the rule for attendance requirement as follows:</p> <p>a) A student needs to have 85% attendance in a course to be eligible for writing End Semester Examination.</p> <p>b) The student may avail an additional 10% (maximum) leaves approved by the competent authority on the ground of hospitalization, medical rest, family calamity, SAC (Sports, Academic, and Cultural) Deputation, and T&P (training and placement) activities.</p> <p>c) Hence, the student must have a minimum 75% of attendance for a course else, a “W” grade will be awarded to the student in that course.</p> <p>d) In case of <i>prolonged illness</i>, the Dean Academics may consider in the case to case basis and <i>may put up with the approval of the Director</i>.</p> <p>e) However, under no circumstances, the Total Attendance (TA) should be less than 50% of a total number of classes conducted in the course.</p> <p><i>The Senate discussed and approved the revised students’ attendance rule for all courses.</i></p>
<p>2017-36-Senate-06:</p>	<p><i>Review of Policy regarding grant of Merit Cum Means scholarship (MCM) and Institute Free Stipendship (IFS)</i></p> <p>The institute is granting Merit Cum Means Scholarship (MCM) and Institute Free Stipendship (IFS) to eligible students. As per norms approved by the Senate, MCM scholarship is granted up to 25% of the actual strength and IFS is granted another 10% of the student strength. The eligibility conditions for the scholarship, inter alia, include the parental income limit, which at present is Rs.4.5 Lakhs per annum and have GPA of at least 7.5 in the preceding two semesters. Further, the student shall not have any backlog and clear from any disciplinary actions.</p> <p>The students getting MCM scholarship are exempted from payment of tuition fees. In addition, they are also provided a stipend of Rs.1000 per month. The students granted IFS scholarship are exempted only from payment of tuition fees. This scholarship is granted by the institute since 2007.</p> <p>All necessary facilities for the students are provided with respect to accommodation, academics, and extracurricular activities. The expenses, incurred for providing this facility is partly met out of tuition fee collected from students. However, on account of grant of exemption in payment of tuition fee over 35% of students’ strength, this institute is not in a position to generate adequate funds. In addition, during the recent past, the institute is not getting adequate Grant-in-Aid to meet the revenue expenditure. It is also pertinent to mention here that IIT Madras is not granting tuition fee waiver under MCM and IFS Scholarship from Alumni fund. IIITM Gwalior is granting only 10 MCM</p>

scholarships per batch.

In view of the above, it is proposed to award MCM scholarships to 10 students per programme which includes B.Tech and DD students in every semester. There will be no automatic renewal. The student will need to apply fresh for getting MCM scholarship once again. Proposed revision of the norms concerning MCM is as given below:

Type of Scholarship	MCM Scholarship	
	Existing Norms	Revised Norms
Number of Scholarship	<i>Up to 25 % of the actual student strength in both B.Tech and DD programme</i>	10 Number of scholarship B.Tech and DD programme
Exemption from Tuition Fee	<i>Complete exemption in tuition fee</i>	Exemption restricted up to 25,000 per semester
Stipend	<i>Rs. 1000 per month</i>	Nil
CGPA norms for renewal of scholarship	<i>The GPA of preceding two semesters as updated after supplementary examination must not be lower than 7.5 without any backlog and cleared all prescribed credit requirements during that particular session. In case of students satisfying all criteria other than GPA requirements of 7.5, GPA may be relaxed</i>	Having GPA of at least of 8.5 semesters without any backlog cleared all prescribed requirements during that particular session.

There is no change in other terms and conditions.

The Senate approved the aforementioned norms for MCM implementation from July 2017 academic session onwards and discontinuation of IFS. The Senate also approved that the Institute may consider granting one or two more MCM scholarship to a student who genuinely needs a support or in case there is a tie between two students applied for the MCM scholarship.

**2017-36-
Senate-07:**

“Implementation of Uniform Fee Structure for PG programs among CF-IIITs” - Revision of PG tuition Fee

The present tuition fee for the PG students is as follows:

Year	Category of students	Tuition fee per semester
2016/17	GN/OB Students	20,000.00
	SC/ST Students	5,000.00
2016	GN/OB Students	20,000.00
	SC/ST Students	5,000.00

As per 2nd meeting of Council of IIITs held on 12 July 2016 and MHRD directive vide F.No.77-1/2016-TS-I dated 13 Nov 2017 (**Annexure A2**), PG courses tuition fee is to be fixed at **Rs. 50,000/- for the first year** and **Rs. 60,000/- for the second year with effective from Academic Session 2017-2018.**

This could not be implemented in July 2017 as the fee structure was circulated and communicated to CCMT before the admission of the students. It is proposed to implement the new fee structure w.e.f January 2018.

*The Senate **approved** the Implementation of Uniform Fee Structure for PG programs according to the directive of MHRD.*

**2017-36-
Senate-08:**

Proposal for changing the name of UG and PG programs offered by the Institute:

The institute presently offering three postgraduate namely Master of Design in Mechanical Systems, Master of Design in Electronics Systems, and Master of Design in Communication Systems. The curricula of these programs are framed with most of the engineering courses with few additional design courses. Professionals both in academia and industry, sometimes, fail to understand the essence of the program due to its names which indicate the programs are mostly focused on design. This reduces the opportunities for students for placement and a career in research.

It is proposed to change the names of these programs to the generic names to facilitate the students to have more opportunities and better acceptability as follows:

Program	Existing Name	Revised Name
PG	M.Des. in Mechanical Systems	M. Tech. in Mechanical Engineering (Spl: Mechanical Systems Design)
	M.Des in Electronics Systems	M. Tech. in Electronics and Communication Engineering (Spl: Electronics Systems Design)
	M.Des in Communication Systems	M. Tech. in Electronics and Communication Engineering (Spl: Communication Systems Design)
	M.Tech in Smart Manufacturing	M. Tech. in Mechanical Engineering (Spl: Smart Manufacturing)
UG	B Tech Computer Engineering	B Tech Computer Science and Engineering
	B Tech Electronics and Communication Engineering with specialization in Design and Manufacturing	B. Tech. Electronics and Communication Engineering
	B Tech Mechanical Engineering with specialization in Design and Manufacturing	B Tech Mechanical Engineering
	B Tech Smart Manufacturing Smart	B Tech Mechanical Engineering (Spl: Smart Manufacturing)
Dual Degree	B.Tech COE+ M.Tech Computer Engineering	B Tech Computer Science and Engineering + M.Tech Computer Science and Engineering (Spl: Systems Design)
	B.Tech EDM+ M.Tech VLSI & Electronic Syst. Design	B. Tech. Electronics and Communication Engineering + M. Tech. in Electronics and Communication Engineering (Spl: VLSI Design)
	B.Tech EDM + M.Tech Signal Processing & Comm. Syst. Design	B. Tech. Electronics and Communication Engineering +

			M. Tech. in Electronics and Communication Engineering (Spl: Communication Systems Design)
		B.Tech MDM + M.Tech Product Design	B Tech Mechanical Engineering + M. Tech. in Mechanical Engineering (Spl: Product Design)
		B.Tech MDM + M.Tech Advanced Manufacturing	B Tech Mechanical Engineering + M. Tech. in Mechanical Engineering (Spl: Advanced Manufacturing)
	<p>The Senate approved the change in <i>the name of UG and PG programs offered by the Institute effective for the students (UG and PG) 2018 Batches. For the existing, the change of the name of degree may be implemented after getting their consent.</i></p> <p>The Senate also advised taking the initiative to start an M.Tech programme in “Computer Science and Engineering”, from the academic session 2018-19.</p>		
<p>2017-36-Senate-09:</p>	<p>Creation of 'Departments' in the Institute</p> <p>Presently two schools each chaired by a Chairperson are in place to run the academic activities which are as follows:</p> <ul style="list-style-type: none"> (a) School of Computer and Electrical Engineering (SCEE) (b) School of Mechanical Engineering and Physical Science (SMEPS). <p>Some difficulties have been observed in the present structure:</p> <ol style="list-style-type: none"> 1. The faculty is losing their identity as a school contains a completely different type of specializations such as Computer Science and Electronics Engineering. 2. The funding agencies for projects (DST, FIST etc.) are asking the affiliation to the Department, 3. In case of decision making in a specific area, we are inviting a member from that department to collect the relevant inputs in addition to School Chair. <p>Therefore, it is proposed to create department based on broad specializations:</p> <ul style="list-style-type: none"> (a) Computer Science and Engineering (b) Electronics and Communication Engineering (c) Mechanical Engineering (d) Mathematics (e) Physics 		

	<i>The Senate approved the proposal.</i>
2017-36-Senate-10:	<p><i>Proposal for starting the “Master of Science” by Research [MS(Res)] programs</i></p> <p>To encourage B.Tech students to take up research and to facilitate them for a long-term career in research leading to Ph.D., MS (Res) programme is a stepping stone. his model is proved to be successful at leading universities across the globe in attracting good students towards research. Further, there are many product-oriented/research-oriented organization who look for candidates with a research background. The human resources trained under this programme may also find a full-time opportunity in such sectors.</p> <p>It is proposed to start programs, “Master of Science by Research”, in all streams, such as Physics, Mathematics, Electrical Science/ Engineering, Computer Science/ Engineering, MECHANICAL Science/ Engineering.</p> <p>The Senate discussed and advised to start “M.Tech by Research”, [M.Tech (Res)] for Engineering Departments and, “Master of Science by Research” [MS (Res)] for Science Department. The Senate also advised looking into the possibilities of offering the standard two-year “Master of Science” [M.Sc.] programmes for science departments.</p>
2017-36-Senate-11:	<p><i>Proposal for the initiation of processes to start Student Exchange Programme with other IIITs, IIITDMs, IITs, and NITs.</i></p> <p>There is an MOU between IITM and NIT Trichy for student exchange programme at the undergraduate level. This programme facilitates B.Tech students of NIT Trichy to enroll for the Ph.D. programme at IITM during their final year. The enrolled student is expected to complete the coursework necessary for Ph.D. during 4th and 5th year. Upon successful completion of coursework and comprehensive viva, the student registers for the Ph.D. programme. Further, his/her B.Tech degree will be awarded by the parent institute at the end of 5th year.</p> <p>IIITDM wishes to explore the opportunity for student exchange programme for the B.Tech. students with the other centrally funded Institutes <i>IIITs, IIITDMs, IITs, and NITs.</i></p> <p><i>The Senate approved the proposal.</i></p>
2017-36-Senate-12:	<p>Approval for Panel of Experts in the selection committee for Recruitment of various Posts.</p> <p>The institute has recently invited applications for various faculty positions and is also in the process of recruiting non-teaching posts.</p> <p>As per Rule 9. (4), (5) &(6) of Statutes of the institute, the selection committee</p>

	<p>for the post of Professor, Associate Professor and also other posts shall include a member nominated by the Senate. In line with provisions of the statute, a panel of experts in various discipline is placed as Annexure. It is proposed to operate the panel of experts for recruitment of various Teaching and non-teaching positions and a suitable nominee will be invited among the experts in the panel. The validity of the expert panel may be fixed as 2 years.</p> <p>The Senate suggested the Chairman of the Senate to appoint experts as the Senate nominee and get ratification subsequently.</p>
<p>2015-54-Senate-13:</p>	<p><i>Proposed for a minor change in the rule for Ph.D. coursework:</i></p> <p>According to our Ph.D. ordinance, a Ph.D. student should obtain</p> <ol style="list-style-type: none"> i) a minimum of C grade in all the courses, and ii) a CGPA ≥ 7.5 <p>In a recent meeting, the Senate has approved the proposal of crediting online courses by Ph.D. students, if the Doctoral Committee agrees to it. But, the online courses are NOT graded. Thus, there is an inconsistency between our Ph.D. ordinance and the Senate approval.</p> <p>Therefore, it is proposed:</p> <ul style="list-style-type: none"> • A Ph.D. student will have to credit the core courses (as suggested by the DC) offered only at IIITDM, and these courses are graded. • The elective course (Maximum six credits) can be taken from NPTEL (where NPTEL conducts Examinations in a regular manner) if the DC approves. The grade secured by the students from NPTEL will be considered for CGPA calculation after proper transformation of it (if required) as will be proposed by the DC. <p>The Senate approved the aforementioned proposal and advised to have an internal quality control system. After DC's approval the syllabus and the rule for the grade transformation have to be approved by the Dean Academics and then it should be put up to the Senate for ratification.</p>
<p>2015-54-Senate-14:</p>	<p><i>Revision of the fee of Supplementary Examination</i></p> <p>A student willing to write Supplementary Examination is paying Rs.500/- per paper. There is no revision in this since last seven years. It is proposed to increase the fee from Rs.500/- to Rs.2000/- per paper.</p> <p>The Senate approved the increased the fees for supplementary examinations. The Senate also resolved that a student will never be awarded "S", "A" and "B" grade in the Supplementary Examinations (maximum 'C' grade can be secured from a supplementary examination).</p>

<p>2017-36-Senate-15:</p>	<p>Proposal for the new elective courses:</p> <p>It is proposed to introduce elective course titled,</p> <p>(a). “Digital Filter Design” for UG and PG students (b). “LASERs in Manufacturing”, for UG and PG students (c). “Pattern Recognition”, for UG and PG students (d). “Reverse Logistics management”, for UG and PG students.</p> <p>Detailed syllabus for the above course is prepared by consulting experts.</p> <p>The <i>Senate discussed and approved the proposed elective courses as given in Annexure A4.</i></p>
<p>D.</p>	<p>DISCIPLINE, ENDOWMENT AND STUDENT AFFAIRS</p>
<p>2015-53-Senate-16:</p>	<p>Completion of Ph.D. defense Mr. Arun Kumar</p> <p>Mr. K. Arun (EDM10D001) has fulfilled all requirements for a Ph.D. degree on 27/11/2017. He has done the research work for his Ph.D. on “Variable Sampling Period based Frequency Locked Loops for Single-Phase Grid Synchronization” under the supervision of Dr. K. Selvajothi. Provisional Certificate has been issued to the candidate.</p> <p><i>The Senate noted the same.</i></p>
<p>2017-36-Senate-17:</p>	<p>To ratify the decision of Disciplinary Committee on the act of indiscipline and misconduct by the student in the Institute on Student disciplinary cases:</p> <p>1. Mr. Avula Thomas, Roll No.COE16B005 was found indulged in malpractice during the End Semester Examination for the course COE205T-Discrete Structure for Computing on 17.11.2017 FN. Disciplinary Committee (Academics) looked into this matter and recommended for the actions against the act of malpractice as follows:</p> <p><i>U' grade on that particular subject and one grade less in all other subjects in Jul-Nov 2017 semester &20 hours of community service.</i></p> <p>2. Fighting and assaults were reported between a section of 4th year students and three 3rd year students. A committee was formed for looking into the matter. The Institute has taken action based on the committee’s report/recommendation as mention in Annexure A5</p> <p><i>The Senate ratified the decisions of the institute.</i></p>
<p>2017-36-Senate-18</p>	<p>Proposal for Alternative Evaluation system in case of Students with Disabilities</p> <p>The institute, in line with the Government guidelines, admits students with</p>

	<p>disabilities. A student with a hearing disability, dyslexia, dyscalculia etc. are facing difficulty in performing in normal evaluation processes. Presently, the institute is evaluating students by conducting written Quizzes (I and II) and assignments with a 50% weightage, and an End Semester Examination for remaining 50% of marks covering entire syllabus of the course. As the student with a disability is facing challenges in the learning processes, it may not prudent to assess the outcome through the normal evaluation process. In this regard, the institute has recently constituted a committee comprising faculty members and the committee recommended (Annexure A6) the following:</p> <p>a) Alternate Evaluation Procedure:</p> <ol style="list-style-type: none"> I. Assignments: 50% II. Quiz I & II: 15 % each III. End Semester Exam: 20% <p>b) Mutually exclusive Portions of the syllabus for each of the examination</p> <p>c) Enhancing the Examination time by 15 minutes for every 1-hour normal examination.</p> <p>Senate approved the Alternate Evaluation Process for students with such disabilities.</p>
	<p>The next meeting of the Senate is proposed to held on 14th March 2018.</p>

Sd/-

Chairman