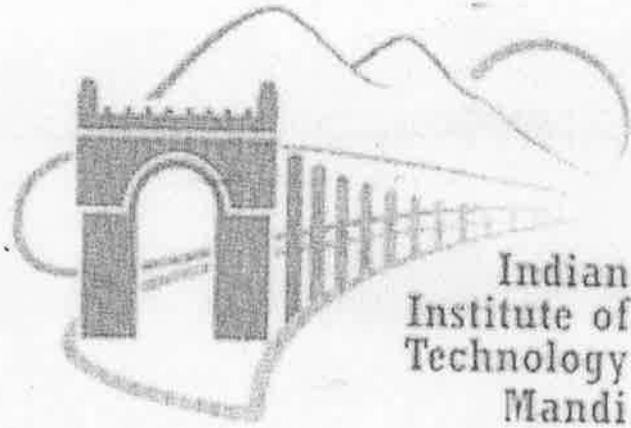


षष्ठम सिनेट बैठक का कार्यवृत्त

**MINUTES OF THE SIXTH SENATE MEETING OF  
IIT MANDI**

**26<sup>th</sup> MAY, 2014**



भारतीय प्रौद्योगिकी संस्थान मण्डी

कमांद- 175005, हिमाचल प्रदेश

**Indian Institute of Technology Mandi**

**Kamand - 175005, Himachal Pradesh**



INDIAN INSTITUTE OF TECHNOLOGY MANDI  
KAMAND, HIMACHAL PRADESH



6<sup>TH</sup> SENATE MEETING OF IIT MANDI

26<sup>TH</sup> MAY, 2014

Items

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## INDIAN INSTITUTE OF TECHNOLOGY MANDI

### Minutes of the 6<sup>th</sup> Senate Meeting of IIT Mandi held on 26<sup>th</sup> May, 2014 at Kamand campus

The following members were present:

#### In the Chair

Prof. Timothy A. Gonsalves, Director, IIT Mandi

#### Members:

Prof. B. Subramanian, Dean Students, SHSS, IIT Mandi

Prof. Anand Srivastava, Dean I&S, SCEE, IIT Mandi

Prof. Ramesh Oruganti, Dean Academics, SCEE, IIT Mandi

Prof. N. S. Narayanswamy, CSE, IIT Madras

Prof. Sunil Kale, ME, IIT-Delhi

Prof. Shripad P. Mahulikar, SE, IIT Mandi

Prof. C. Chandra Sekhar, Professor, Department of Computer  
Science Engineering IIT Madras

Dr. Sukumar Battacharya, Associate Professor, SCEE, IIT Mandi

Dr. Varun Dutt, Asst. Professor, SCEE & SHSS, IIT Mandi

Dr. P. Parameswaran, AP & Asso. Dean Course, SBS, IIT Mandi

Dr. Subrata Ghosh, Asstt. Professor & Chairperson, SBS, IIT Mandi

Dr. Bindu Radhamany, A P & Asso. Dean Research, SBS, IIT Mandi

Prof. Arghya Taraphder, SBS, IIT Mandi

Dr. Rajeev Kumar, Asst. Professor, SE, IIT Mandi

Mr. Hari Vansh Rai Mittal, Student Research Affairs Secretary, IIT Man

Mr. Anand Dhandhanian, Student General Secretary, IIT Mandi

Mr. Sachin Bhat, Student Academic Affairs Secretary, IIT Mandi

Dr. R.C. Sawhney, Registrar, IIT Mandi, Member Secretary

#### Following members attended the meeting through video conferencing:

Prof. Hema Murthy, Professor, CSE, IIT Madras

Prof. Deepak Khemani, CSE, IIT Madras

Prof. Subrata Ray, Distinguished Visiting Professor, SE, IIT Mandi

Dr. Arti Kashyap, Associate Professor, SCEE & SBS, IIT Mandi

Dr. Aniruddha Chakraborty, Assistant Professor, SBS, IIT Mandi

Dr. Shail Shankar, Assistant Professor, SHSS, IIT Mandi

Dr. Vishal Singh Chauhan, Assistant Professor, SE, IIT Mandi

#### Following members could not attend the meeting:

Prof. Lalit Malhotra, Dean SRIC and Dean F & A, SBS, IIT Mandi

Prof. Babu Viswanathan, ME, IIT Madras

Prof. Shormishtha Panja, Professor, DU, Delhi

Prof. Anil Prabhakar, Professor, EE, IIT Madras



Prof. B. K. Mishra, Professor, ME & I, IIT Roorkee  
Prof. D. K. Mehra, Former Professor, E&C, IIT Roorkee  
Prof. S. B. Krupanidhi, MRC, IISc, Bangalore  
Prof. Milind A. Sohoni, IIT, Bombay  
Prof. S. N. Singh, EE, IIT, Kanpur  
Prof. Rafikul Alam, Dept. of Mathematics, IIT Guwahati  
Prof. Arindama Singh, Dept. of Mathematics, IIT Madras  
Prof. P. K. Kapoor, Dept. of Operations Research, University of Delhi  
Prof. A. D. Gupta, Dept. of Mechanical Engg., IIT Delhi  
Prof. P. Vellaisamy, Dept of Mathematics, IIT Bombay  
Prof. Rahul Roy, Unit of Mathematics, ISI Delhi  
Prof. Dharendra Bahuguna, Dept. of Mathematics & Statistics, IIT Kanpur  
Prof. G. Raja Sekhar, Dept. of Mathematics, IIT Kharagpur  
Prof. Anant R. Shastri, Dept. of Mathematics, IIT Bombay  
Prof. R. K. Sharma, Dept. of Mathematics, IIT Delhi  
Prof. Thamban Nair M, Dept. of Mathematics, IIT Madras  
Prof. P. Veeramani, Dept. of Mathematics, IIT Madras

In addition, the Senate meeting was also attended by the following staff/faculty members of IIT Mandi:-

Dr. Ramna Thakur, Assistant Professor, SHSS, IIT Mandi  
Dr. Chayan Kanti Nandi, Asst. Professor, SBS, IIT Mandi  
Dr. Anil Kumar Sao, Asst. Professor, SCEE, IIT Mandi  
Dr. Ashok Kumar Mocherla, Assistant Professor, SHSS, IIT Mandi  
Dr. Rahul Vaish, Assistant Professor, SE, IIT Mandi  
Dr. Arnav Bhavsar, Assistant Professor, SCEE, IIT Mandi  
Dr. Rajendra K. Ray, Assistant Professor, SBS, IIT Mandi  
Dr. Prasun Jana, Teaching Fellow, SE, IIT Mandi  
Dr. Padmanabhan Rajan, Assistant Professor, SCEE, IIT Mandi  
Dr. Dileep A. D., Assistant Professor, SCEE, IIT Mandi  
Dr. Prem Felix Siril, Assistant Professor, SBS, IIT Mandi  
Dr. Venkata Krishnan, Asst. Professor, SBS, IIT Mandi  
Dr. Samar Agnihotri, Asstt. Professor, SCEE, IIT Mandi (through VC)  
Dr. Mohammad Talha, Assistant Professor, SE, IIT Mandi (through VC)  
Dr. Manu V. Devadevan, Asstt. Prof., SHSS, IIT Mandi (through VC)  
Dr. Ajay Soni, Assistant Professor, SBS, IIT Mandi (through VC)  
Dr. Viswanath Balakrishnan, Asstt. Prof., SE, IIT Mandi (through VC)  
Dr. C. S. Yadav, Assistant Professor, SBS, IIT Mandi (through VC)  
Dr. Satinder Kumar Sharma, Asst. Professor, SCEE (through VC)  
Dr. Manoj Thakur, Assistant Professor, SBS (through VC)  
Mr. Vivek Tiwari, Assitant Registrar Academics, IIT Mandi  
Mr. N. S. Bhandari, Deputy Librarian, Central Library, IIT Mandi

The Chairman Senate extended a warm welcome to all the Senate members and faculty for attending the 6<sup>th</sup> Senate meeting.

Then the agenda points were taken up.

**Item No. 6.1: To confirm the minutes of the 5th Senate meeting held on 15<sup>th</sup> October, 2013.**

The minutes of the 5<sup>th</sup> Senate meeting held on 15<sup>th</sup> October, 2013 at IIT Mandi Kamand campus were circulated to all members of the Committee. Dr. Arti Kashyap, Assoc. Professor SBS and SCEE's suggestion regarding highlighting of PhD guide's role in the Senate minutes has been included in BoG minutes and were agreed upon for inclusion in the 5<sup>th</sup> Senate minutes as Addendum.

The minutes were confirmed by the Senate.

**Item No. 6.2: To receive a Report on the action taken to implement the decisions of the 5<sup>th</sup> Senate meeting held on 15<sup>th</sup> October, 2013**

The position of action taken on the matters as reported was noted.

**Item No. 6.3: New Programme – M.Sc in Chemistry**

Dr. Subrata Ghosh, Chairperson, School of Basic Sciences presented a new M.Sc in Chemistry program proposal with different specialisation options. The Senate discussed various aspects of the programme and approved in principle its introduction at IIT Mandi. Specific comments were also provided by the members on certain aspects of the curriculum structure including distribution of credits. Based on these comments, the detailed curriculum will be reworked. The course contents will go through the normal CPC procedure. The Chairman, Senate can then approve the revised curriculum/proposal on behalf of the Senate. The program may be started w.e.f. the coming Odd Semester of Academic Year 2014-15.

**Item No. 6.4: New Programme – M.Tech in Energy Materials**

Dr. Rahul Vaish, Chairperson, School of Engineering presented a new M.Tech in Energy Materials program. The Senate discussed various aspects of the programme and approved in principle its introduction at IIT Mandi. Specific comments were also provided by the members on the programme to the proposers. The course contents will go through the normal CPC procedure. The Chairman, Senate can then approve the revised curriculum/proposal on behalf of the Senate. The program may be started w.e.f. the coming Odd Semester of Academic Year 2014-15.

**Item No. 6.5:****Changes in HSS curriculum – B.Tech Programme**

Dr. Ashok Kumar M., Chairperson, School of Humanities and Social Sciences proposed an overall reorganization of the core HSS baskets of the B.Tech. program and addition of certain new courses to the core baskets including the introduction of English 1 and English 2 in the appropriate basket. The proposed re-organization and additions were based on the recommendations of a committee constituted by the School Chair. The senate suggested that the proposed changes be also discussed in detail within the School of Humanities and Social Sciences and the proposal be modified accordingly. The modified version may then be presented in the next Senate.

Further, the Senate agreed for the introduction of two courses in English, namely, English-1 & English-2, for the I year B.Tech students from August 2014 semester onwards. The details regarding the syllabus will be worked out and will go through the normal CPC procedure. The final changes with regard to the introduction of English 1 and English 2 may be approved by Chairman, Senate.

**Item No. 6.6:****Changes to B.Tech Major Technical Project**

Dean (Academics), Prof. Ramesh Oruganti, proposed some changes to the credit distribution and some other criteria related to MTP, which were discussed and approved as follows:

**(i) Changes in Credit Distribution of MTP:**

In the B.Tech Programme, currently, the Major Technical Project (MTP) is a two-semester long, 8 credit, discipline elective course offered under two course codes, DP401P and DP402P, each of which are of 1 semester duration with 4 credits. Both the courses are to be taken by a student who opts for the MTP. The semester-wise credits for these courses are as follows:

DP401P: 0-0-6-4  
DP402P: 0-0-6-4

The student who opts for the MTP has to register for the DP401P in one semester followed by DP402P in a subsequent semester.

It is proposed to change the credits per semester as follows, while retaining the total credits for MTP as 8. This was approved by the senate after discussions.

DP401P: 0-0-4.5-3  
DP402P: 0-0-7.5-5

In addition, the Senate discussed various exit options for students from MTP program after 1 year, and approved the following exit options.

**(ii) Exit option after Sem-1 of the MTP registration:**

- a) A student who obtains Grade 'D' or below in the first semester of MTP (DP401P) will not be allowed to continue on to the second stage of MTP (DP402P). The grade earned by the student in DP401P will be included in the grade sheet and transcript. The student will have to make up for the remaining MTP credits (i.e., for-DP402P) by taking electives as per MTP guidelines.

However, if such a student wishes to continue doing the MTP, he/she may appeal giving justification to the Dean (Academics) with the support of the MTP guide(s) and Faculty Advisor.

- b) A student who has earned a 'C' grade or above in DP401P will be required to continue on to the second stage of MTP (DP402P).

However, if such a student wishes not to pursue DP402P, he/she may appeal to Dean (Academics) through the Faculty Advisor and the guide(s). If allowed to drop DP402P, the grade earned by the student in DP401P will be included in the grade sheet and transcript. The student will have to make up for the remaining MTP credits (for DP402P) by taking electives as per MTP guidelines.

- c) The course names of DP401P & DP402P will have to be mentioned differently in the grade sheet as well as in the transcript to accommodate the above exit option. The details regarding this will be worked out later and may be approved by the Chairman, Senate.

(iii) The Senate also suggested that faculty members should be encouraged to work together on large MTP projects so as to achieve better MTP outcomes.

**Item No. 6.7:**

**Courses taken by non-degree students**

Associate Dean (Courses), Dr. Pradeep Parameswaran, presented a proposal for crediting courses taken by Non-degree students which was discussed and approved by the Senate as follows:

- i. Visiting students/visiting faculty/project staff/technical staff and persons under other such categories can register for one or more courses at IIT Mandi and get credit for those courses with the approval of the PI of the project in which they are working/their immediate supervisor at IIT Mandi and Dean (Academics).
- ii. In case the student is admitted subsequently in an MS/PhD program at IIT Mandi, then with the recommendation of the Academic Progress Committee/Doctoral Committee and with the approval of the Dean (Academics), such credits can be considered towards the MS/PhD

- course credit requirements of the student within a period of 2 years from the date of award of the grades.
- iii. Credit wise fee may be charged in such cases.
  - iv. A certificate shall be issued on completion of the course(s). The format of the certificate will be worked out and which may be approved by the Chairman, Senate.
  - v. This new policy will be applicable retrospectively.

**Item No. 6.8: Project staff registration for M.S. and Ph. D. program**

Associate Dean (Research), Dr. Bindu Radhamany, proposed the program which was approved by the Senate with some minor modifications. The approved changes are as follows:

**Registration of Project staff in the M.S. programme:**

*Additional clause No. 2.1.6 to be introduced after clause 2.1.3 under R.2.1(b) Part Time Research Scholars under MS Regulations of the "Ordnances and Regulations for the Degrees of Doctor of Philosophy and Master of Science by Research" approved by the BoG (3<sup>rd</sup> Annexure 3.2.2)*

**Project Staff**

This category includes project staff working on research projects in the Institute who have worked on such projects for a period of 6 months or more. They may be considered for admission to the M.S. programme (guided by the same PI only) with strong support of the candidature by the PI. The selection procedure will be same as for the regular M.S. programme. The minimum educational qualifications are the same as 2.1.1 (regular full time scholar) except that the GATE/NET (or any other national qualifying examinations) qualifications are waived. At the time of admission, the PI should provide a commitment to make arrangements through other projects, if necessary, for providing financial assistance to the student for the full program duration. Also, if any IIT Mandi course has been taken previously by the candidate within two years of the date of registration in M.S. programme, then the candidate may be allowed to utilize the credits for this course towards the M.S. programme with the approval of APC.

**Registration of Project staff in the Ph.D. programme:**

*Additional clause No. 2.1.5 to be introduced after clause 2.1.4 under R.2.1 Minimum Educational Qualifications under Ph.D. Regulations of the "Ordnances and Regulations for the Degrees of Doctor of Philosophy and Master of Science by Research" approved by the BoG (3<sup>rd</sup> Annexure 3.2.2)*

**Project Staff**

This category includes project staff working on research projects in the Institute who have worked in the project for 6 months or more. They may be considered for admission to the Ph.D. programme (guided by the same PI only) with strong support of the candidature by the PI. The selection procedure will be same as for the regular Ph.D. programme. The minimum educational qualifications are the same as 2.1.1, 2.1.2 and 2.1.3 except that the GATE/NET (or any other national qualifying examinations) qualifications are waived. At the time of admission, the PI should provide a commitment to make arrangements through other projects, if necessary, for providing financial assistance to the student for the full program duration. Also, if any IIT Mandi course has been taken previously by the candidate within two years of the date of registration in M.S. programme, then the candidate may be allowed to utilize the credits for this course towards the Ph.D programme with the approval of DC.

**Item No. 6.9: Approval of New Courses**

Dr. A. D. Dileep, Member, Course Proposal Committee(CPC) presented 24 new Course proposals as per Annexure-I in the Senate meeting. Senate members discussed the course contents and specific suggestions and comments were conveyed to the course proposers. Once all corrections have been incorporated, Chairman Senate can approve the proposals on behalf of the Senate.

**Item No. 6.10: Additional agenda items with the permission of the Chair**

With the permission of the Chair, Prof. Ramesh Oruganti raised the requirement of attendance of UG students in the class. After discussion, the Senate agreed that the minimum attendance requirement may be fixed to 70%. However, a faculty member can have a different criterion for his/her course. In such a case, the changed criterion should be announced to the students at the course beginning itself. It should also be informed to the First CCM and entered in the minutes.

**Item No. 6.11: To report decisions / action taken by Chairman, Senate**

The position of following matters reported was noted.

Chairman, Senate on behalf of the Senate approved the following:

**1. To considers award of B.Tech., M.S. Degree:**

Two M.S. and one B. Tech student have qualified to the award of degrees. The summary information with regard to the various degrees is as under:-

**Master of Science by Research**

Two more students have completed all the requirements for the award of the Degree of 'Master of Science by research' including submission of the final approved Thesis after the 1<sup>st</sup> Convocation of the Institute.

The details are as follows:

**Mr. Runa Barik**(Roll No. S10001):

Thesis Title: Improving Latency of Mice in the Internet: An Approach Based on TCP Initial Window

Guide(s): Dr. Sūkumar Bhattacharya & Dr. Dinil Mon Divakaran,  
School of Computing and Electrical Engineering.

Date of fulfillment of degree requirements:01<sup>st</sup> May, 2014

**Mr. Vijay Singh Chauhan** (Roll No. S10006):

Thesis Title: Combined Cycle for Cold Storage and Power Generation Using Low Temperature Renewable Heat Sources

Guide(s): Dr. P. Anil Kishan and Dr. Sateesh Gedupudi,  
School of Engineering.

Date of fulfillment of degree requirements: 17<sup>th</sup> April, 2014

**'Bachelor of Technology' (B.Tech.) in Computer Science and Engineering**

One student **Mr. Aman** (Roll.No. B09003) has completed all the requirements for the award of the Degree of "Bachelor of Technology" in Computer Science and Engineering. The date of completion of degree requirement is 09<sup>th</sup> December, 2013

The Senate has recommended registration award of degree to these students. BoG may approve recommendations of the 6<sup>th</sup> Senate meeting for the award of degrees to these students.

**2. Students placed under academic Probation/ Academic Warning during Even Semester 2014.**

Sl. No.	Name	Roll No.	Branch	Action	From	Until
1.	Abhinav Singh	B11051	EE	Probation	Beginning of the Even Semester 2014	End of the Even semester 2014
2.	Munindar Kumar Meena	B13216	EE	Probation		
3.	PreamAkhil	B12085	EE	Warning		
4.	Manish Kumar Meena	B13126	CSE	Warning		

**3. Students on exchange program to other Institutes during Even Semester 2014:**

The list of students is as under:

Sl.No	Roll No.	Name	Branch	Year	University
1	B10030	Shiv SankarBaishya	CSE	4th	TechnischeUniversitatMunche n, Germany
2	B10032	ShoubikDebnath	CSE	4th	TechnischeUniversitatMunche n, Germany
3	B11111	Arpit Ajay Narechania	ME	3rd	RWTH Aachen University, Germany
4	B11115	BaratamChamundeswarNadh	ME	3rd	RWTH Aachen University, Germany
5	B11133	PrashantPrazapati	ME	3rd	TechnischeUniversitatMunche n, Germany
6	B11007	ArjunBhardwaj	CSE	3rd	IIT Madras

**4. Conversion of European Credit Transfer System (ECTS) Credits & Grades to IIT Mandi Credits & Grades:**

The ECTS Credits and Grades for those IIT Mandi students who go on semester exchange to foreign institutions where the ECTS system is followed, the conversion of Grades will be adopted as under.

ECTS grades	IIT Mandi grades
A	O
B	A
C	B
D	C
E	D
FX	F
F	F

Further, 01 IIT Mandi Credit = 1.5 ECTS conversion factor will be used for grade computation purposes.

**5. Ph.D. students admitted during Even Semester 2014**

Under regular program:

Sl.No.	Roll No.	Name	School
1	D13017	Ashwani Kumar	SBS (Chemistry)
2	D13018	SurenderLal	SBS (Physics)
3	D13019	Mandeep Kr. Hooda	SBS (Physics)
4	D13015	Medha Kumar	SCEE

5	D13016	Sanjay Rathee	SCEE
6	D13023	Mahesh Soni	SCEE
7	D13020	Pravin Kumar	SHSS
8	D13021	Shivam Mishra	SHSS
9	D13022	Vikram Kumar	SHSS

**Under External Registration Program:**

Sl.No.	Roll No.	Name	School
1	ERP-D1301	Rajneesh Vachaspati	SE
2	ERP-D1302	Mritunjay Kumar Shukla	SE

**6. M.S. students admitted during Even Semester 2014**

**(a) Under regular program:**

Sl.No.	Roll No.	Name	School
1	S13010	Tarun Arora	SCEE
2	S13011	Monisha Rastogi	SE
3	S13012	Priyabrat Sharma	SE

**(b) Under External Registration Program:**

Sl.No.	Roll No.	Name	School
1	ERP-S1301	Manish Vaish	SE

**7. Details of the Fees to be paid by the ERP and Part-Time students of M.S /Ph.D.:**

Sl. No.	Particulars	M.S./Ph.D. External Registration Programs (ERP) & Part Time (applicable w.e.f. even semester of 2013-14)		
		New Entrant	While Course Work	While No Course Work
I	<b>Institute Fees (payable each semester)</b>			
1.	Tuition Fee	2500	2500	2500
2.	Exam Fee	350	350	350
3.	Registration Fee	200	200	200
4.	Internet & Computer Fee	750	750	---
5.	Extra-Curricular Activity	1000	1000	---
6.	Medical Fund	300	300	---
	<b>Total</b>	<b>5100</b>	<b>5100</b>	<b>3050</b>
II	<b>One Time Payment (At the time of admission)</b>			
7.	Admission Fee	200	---	---
8.	Grade Card	150	---	---
9.	Student Welfare Fund	500	---	---
10.	Identity Card	50	---	---
11.	Benevolent	150	---	---

	<b>fund</b>			
12.	Alumni Fee	1500	---	---
13.	Bhawan fund	200	---	---
14.	Industrial Tour	---	---	---
	<b>Total</b>	<b>2750</b>	<b>---</b>	<b>---</b>
<b>III</b>	<b>One time deposit (refundable on passing out or leaving the institute)</b>			
15.	Institute Caution Deposit	2000	---	---
16.	Library Deposit	2000	---	---
17.	Mess Security	3000	---	---
	<b>Total</b>	<b>7000</b>	<b>---</b>	<b>---</b>
<b>IV</b>	<b>Medical Insurance Premium per annum</b>	<b>950</b>	<b>---</b>	<b>---</b>
<b>V</b>	<b>Hostel / Mess Charges</b>			
<b>(a)</b>	<b>Hostel Charges</b>			
18.	Hostel Seat Rent	2500	2500	---
19.	Electricity & Water	2500	2500	---
20.	Common Facilities	1500	1500	---
<b>(b)</b>	<b>Mess Advance</b>	<b>16500</b>	<b>16500</b>	<b>---</b>
<b>Total fees Payable (Gen/OBC)</b>				
i)	Institute/Academic (I-IV)	15800	5100	3050
ii)	Hostel & Mess (V)	23000	23000	--
<b>TOTAL (I-V)</b>		<b>38800</b>	<b>28100</b>	<b>3050</b>

The meeting ended with a vote of thanks to and by the Chair.

  
Chairman, Senate

  
(Dr. R.C Sawhney)  
Secretary, Senate