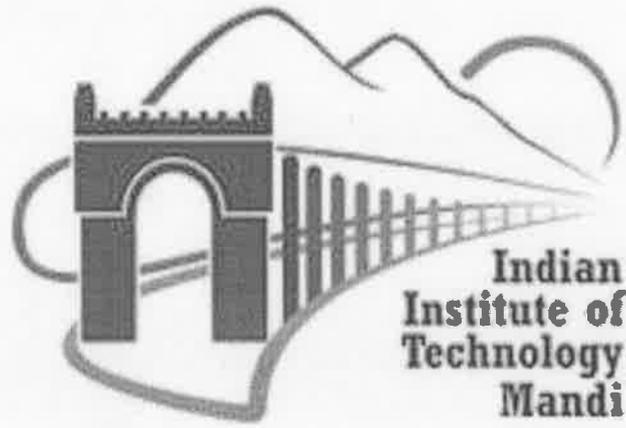


चतुर्थ सिनेट बैठक का कार्यवृत्त

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

20th MAY, 2013



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**



4TH SENATE MEETING OF IIT MANDI

20TH MAY, 2013

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INDIAN INSTITUTE OF TECHNOLOGY MANDI

Minutes of the 4th Senate Meeting of IIT Mandi held on 20th May, 2013 at Kamand campus

The following members were present:

In the Chair

Prof. Timothy A. Gonsalves, Director, IIT Mandi

Members:

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

Prof. B. Subramanian, Visiting Professor & Head, SHSS, IIT Mandi

Prof. Lalit Malhotra, Visiting Professor & Head, SBS, IIT Mandi

Prof. Shormishtha Panja, Professor, DU, Delhi

Prof. Anil Prabhakar, Professor, EE, IIT Madras

Prof. Hema Murthy, Professor, CSE, IIT Madras

Prof. Anand Srivastava, Visiting Professor, SCEE, IIT Mandi

Prof. Ramesh Oruganti, Visiting Professor, SCEE, IIT Mandi

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

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

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

Dr. Pradeep Parameswaran, Assistant Professor, SBS, IIT Mandi

Dr. Surata Ghosh, Assistant Professor, SBS, IIT Mandi

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

Mr. Hemant Jalota, Student Research Affairs Secretary, IIT Mandi

Mr. Sanchit Khattri, Student General Secretary, IIT Mandi

Mr. Deepak Sharma, Student Academic Affairs Secretary, IIT Mandi

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

Following members attended the meeting through video conferencing:

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

Following members could not attend the meeting:

Prof. Deepak Khemani, CSE, IIT Madras

Prof. Babu Viswanathan, ME, IIT Madras

Prof. B. K. Mishra, Professor, ME & I, IIT Roorkee

Prof. D. K. Mehra, Former Professor, E&C, IIT Roorkee

Prof. Sunil Kale, ME, IIT-Delhi

Prof. S. B. Krupanidhi, MRC, IISc, Bangalore

Prof. Milind A. Sohoni, IIT, Bombay

Prof. S. N. Singh, EE, IIT, Kanpur

Prof. Arghya Taraphder, SBS, IIT Mandi

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

Dr. Bindu Radhamany, Assistant Professor, SBS, IIT Mandi

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

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

1. Dr. Om Prakash Singh, Asst. Professor, SE
2. Dr. Chayan Kanti Nandi, Asst. Professor, SBS
3. Dr. Venkata Krishnan, Asst. Professor, SBS
4. Dr. Prem Fleix Siril, Asst. professor, SBS
5. Dr. Rahul Vaish, Asst. Professor, SE
6. Dr. Satinder Kumar Sharma, Asst. Professor, SCEE
7. Dr. Ratan J, Asst. Professor, SE
8. Dr. Rajeshwari Dutt, Asst. Professor, SHSS
9. Dr. Rajendra Kumar Ray, Asst. Professor, SBS
10. Dr. P. K. Pathak, Asst. Professor, SBS
11. Mr. Naresh Singh Bhandari, Deputy Librarian
12. Dr. Ramna Thakur, Assistant Professor, SHSS(Through- NKN)
13. Dr. Manoj Thakur, Assistant Professor, SBS(Through- NKN)

The Chairman extended a warm welcome to the members and thanked for making themselves available for IIT Senate meeting in person or through Video Conference. He highly appreciated efforts made by Execom Conveners in executing the decisions taken during the last Senate meeting. He extended a warm welcome to the newly appointed Deans especially Prof. Ramesh Oruganti, Dean Academics, Prof. B. Subramanian, Dean Students, Prof. Lalit Malhotra, Dean SRIC & Dean Finance & Accounts and Prof. Anand Srivastava, Dean Infrastructure & Services and shared with the Senate members his vision to augment teaching and research activities at IIT Mandi. The Chairman also thanked all the outgoing Execom members for their support and participation to run the Institute activities.

Then the agenda points were taken up.

Item No. 4.1: To confirm the minutes of the 3rd Ad-hoc Senate meeting held on 14th November, 2012

The minutes of the 3rd Ad-hoc Senate meeting held on 14th November, 2012 at IIT Mandi were confirmed.

Item No. 4.2: To receive a Report on the action taken to implement the decisions of the 3rd Ad-hoc Senate meeting held on 14th November, 2012

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

Item No. 4.3: Activities of Career and Placement Cell.

A presentation on status of placements of our students was made by Dr. Arti Kashyap, Convenor, C & P cell. She shared with the members that a number of organizations including Research and Development agencies, Software development companies, Operations & sales, Education, Consultancy and Core engineering industries have visited IIT Mandi for recruitment of our students. A large number of students have been offered jobs in Computer Science and Engineering, Electrical Engineering and Mechanical Engineering. Total 67 offers were made with an average package of 7.87 lakhs per year in Computer Science, 7.07 lakhs in Electrical Engineering and 7.81 lakhs in Mechanical Engineering. Out of 96 B. Tech 4th year students 60 students have been offered jobs. It was decided that in order to enhance placement of students the placement activities may be initiated early in September. Venture Capital Companies may also be invited. Efforts may also be made to organize Alumni Meet so that students can get additional placement opportunities.

(Action: Advisor, C & P C)

Item No. 4.4: Role of HSS (Humanities and Social Sciences) in Engineering Curriculum.

The Senate discussed role of humanities and social sciences for engineering students to develop tailor made program required for an Engineer. It was debated that for a budding Engineer an exposure to in light of the brainstorming held on 10.05.2013 traits like professional ethics, environmental sensitivities, evolution of thoughts, philosophy of science should be carried out. Faculty research interests in HSS should also be encouraged.

(Action: HoS, HSS)

Item No. 4.5: To consider M. Tech in Energy Systems at IIT Mandi.

The Senate discussed the proposal to start M. Tech in Energy Systems at IIT Mandi, in view of the national and international importance of energy. It was decided that an inter disciplinary curriculum should be developed keeping in mind the employability of these students. The course content may be developed after interaction with the industries. Inputs from faculty and experts should be obtained and course be gradually developed. Suggestions were given to re-look into the proposed credit requirement of this program. The revised proposal may be discussed in the next Senate meeting.

(Action: Dean Academics)

Item No. 4.6: To consider M. Tech in Nano-Micro Fabrication and Design at IIT Mandi.

The Senate discussed the proposal to start M. Tech in Nano-Micro Fabrication and Design at IIT, Mandi with an aim to create a strong foundation in fabrication and design. It was decided that before starting this program, it should be thoroughly discussed among faculty and feedback from external experts and industries must be obtained. It was noted that the Nano-micro fabrication technology is not much developed in India and hence there was a concern about the placement prospects of this course. It was also noted that such a program should be practice oriented and therefore, the availability of fabrication facilities need to be considered before starting such a program. One suggestion was to offer the program jointly with some industries by sharing the facilities. This may also increase the acceptability of the program. There were some opinions that VLSI design is in demand in India and hence VLSI with hardware training can be a good option. M.Tech in Nanotechnology with specialization in Fabrication was another suggestion. The proposal need to be revised thoroughly considering these points and can be discussed in the next Senate meeting.

(Action: Dean Academics)

Item No. 4.7: To consider new course proposals.

The Senate discussed the introduction of following new courses:-

I. School of Basics Sciences:

1. CY 644 Bioinorganic Chemistry
2. CY 645 Reagents in Organic Synthesis
3. MA 609 Numerics of Partial Differential Equation
4. MA 765 Topics in Semigroup Theory

II. School of Humanities and Social Sciences:

5. HS 261 The Indian Constitution
6. HS 381 Indian Society: Structure and Change
7. HS 391 Introduction to World History
8. HS 401 Tribal India, Indigenous Latin America
9. HS 404 Local Cultures
10. HS 451 Modern Literature
11. HS 481 International Business Management
12. HS 501 Principles of Economics and Management
13. HS 502 Indian Economic Development and Policy Analysis
14. HS 563 Theory and Methods of Policy Analysis
15. HS 575 Mayan America
16. HS 601 Environment and Resource Management

III. School of Computer Science and Electrical Engineering:

17. CS 303 Software Engineering

18.CS 402	Compiler Technology
19.CS 456	Distributed Databases
20.CS 603	Managerial Decision Making
21.CS 606	Computational Modeling of Social Systems
22.CS 677	Soft Computing
23.EE 304	Communication Theory
24.EE 309 & EE 309P	Power Electronics
25.EE 402 & EE 402P	Solar Photovoltaic Energy Systems
26.EE 609	Network Information Theory
27.EE612	VLSI Technology

The following suggestions were given by the Senate while considering the above course proposals.

1. All the course proposals should be in same format. Course proposal committee (CPC) can suggest a common format and all the course proposals should be submitted only in that common format for Senate's approval.
2. Detailed break-up of the course contents into half a dozen modules/units or so should be given.
3. The lecture hours required for each module/unit must be clearly mentioned.
4. A few text books and reference books / reference materials must be mentioned.
5. The proposers of the above courses should revise their proposals considering the above points and should re-submit their proposal to the CPC. CPC will send these revised proposals to Senate's mailing list and Faculty mailing list for further comments/suggestions and request the proposer to modify the contents accordingly.
6. In the case of the course HS261, Senate noted that this course is proposed as a 2 credit course. Generally the elective courses offered by regular faculty members are either 3 credit or 4 credit courses. For 1 or 2 credit courses, there is always the option of Special Topics courses as approved by Senate earlier. Therefore, it was suggested that this course proposal should be revised as a 3 credit course before submitting for Senate's approval.
7. After incorporating the corrections as mentioned above, CPC can submit the revised proposals to Chairman, Senate for approval. The modified course proposals may be approved by Chairman, Senate on behalf of the Senate.

An opinion was expressed that all the courses, especially undergraduate level courses, should be taught by faculty members who have expertise in that area. The expertise can be either by training or by research.

The courses having identical course contents should be merged together.

(Action: Dean Academics)

Item No. 4.8: To consider new minor proposals.

A Minor proposal in Public Management was presented in Senate for approval. The following courses were proposed as part of the minor.

- a) CS603 - Managerial Decision Making
- b) CS606 - Computational Modeling of Social Systems
- c) HS501 - Principles of Economics and Management
- d) HS502 - Indian Economic Development and Policy Analysis
- e) HS563 - Theory and Methods of Policy Analysis
- f) HS601 - Environmental and Resource Management

There were some concerns expressed about the title and contents of this minor proposal. The appropriateness of the CS codes for the first two courses was debated. There were opinions that the CS codes are not justified for these courses. There was a suggestion that Political Science plays major role in this program, so the contents should be revised including political science courses. Senate therefore suggested the proposers to relook into the title and contents of the proposal and revise it considering these points. After revisions, the proposal can be sent to Senate and Faculty mailing list for further comments.

After incorporating all the comments/suggestions, the proposal can be submitted to the Chairman Senate for approval. The modified minor proposals may be approved by Chairman, Senate on behalf of the Senate.

(Action: Dean Academics)

Item No. 4.9: Additional agenda items with the permission of the Chair.

None.

Item No. 4.10: To report decisions / action taken by Chairman, Senate.

The position of following matters reported was noted:-

- i) Chairman, Senate on behalf of the Senate approved the following five branch change applications based on the recommendations of Execom (Courses):

No	Name	Roll No.	CGPA	Original branch	Requested branch
1	Soumya Singh	B10076	9.13	EE	CSE
2	Sachin Kumar Saini	B10074	9.03	EE	CSE
3	Damini Singal	B10107	8.45	ME	CSE
4	Suraj B. Malode	B10080	7.9	EE	CSE
5	Yogesh Kumar Meena	B10039	5.56 (has one backlog)	CSE	EE

- ii) Chairman, Senate allowed one more Semester to each student to continue their Academic program at IIT Mandi based on the recommendations of Faculty Advisors and Execom(Courses).

No	Name	Roll No.	Branch	Earned Credit over last sem.	SGPA	CGPA
1	Abhay Chowdhary	B11101	ME	19	4.773	5.196
2	Hrushikesh Sikur Singh Alda	B10114	ME	14	4.353	4.811

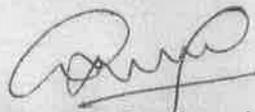
These students are advised to improve their performances in the semester allowed to them, which will be evaluated by considering the following two conditions:

- They must earn at least 15 credits in the semester
- SGPA must be at least 5.0

If they fail to earn the above, they will be immediately terminated from the Academic Rolls of IIT Mandi.

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


Chairman, Senate


(Dr. R.C Sawhney)
Secretary, Senate